

**SACRAMENTO METROPOLITAN  
AIR QUALITY  
MANAGEMENT DISTRICT****STATEMENT OF BASIS FOR  
1st RENEWAL OF TITLE V FEDERAL OPERATING PERMIT**

|                  |                                |
|------------------|--------------------------------|
| Application No.: | TV2009-09-01                   |
| Date:            | March 26, 2013                 |
| Evaluation By:   | Jorge DeGuzman/<br>Bruce Nixon |

**A. FACILITY INFORMATION:**

|                              |  |
|------------------------------|--|
| <b>FACILITY NAME:</b>        | Aerojet - Sacramento Operations  |
| <b>LOCATION:</b>             | 2001 Aerojet Road<br>Rancho Cordova, CA 95742                                    |
| <b>MAILING ADDRESS:</b>      | P.O. Box 13222 #MS 5596<br>Sacramento, CA 95813-6000                             |
| <b>PARENT COMPANY:</b>       | Aerojet - General Corporation  |
| <b>RESPONSIBLE OFFICIAL:</b> | Robert Werling<br>Vice President, Sacramento Operations<br>Phone: (916) 355-3611 |
| <b>CONTACT PERSON:</b>       | Chelsea Westerberg<br>Environmental Specialist<br>Phone: (916) 804-2361          |

**B. PURPOSE OF THIS STATEMENT OF BASIS:**

The Title V Federal Operating Permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose of this Statement of Basis is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This Statement of Basis will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this Statement of Basis, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

### C. TITLE V PERMIT HISTORY

This Statement of Basis is for the first renewal of Aerojet's current Title V Federal Operating Permit No. TV1996-09-02.

The current permit was to expire on March 01, 2009 but has been extended because the SMAQMD did not act on the permit renewal application by that date [see SMAQMD Rule 207 Section 303.2]. Aerojet submitted a timely and complete Title V application for permit renewal on February 29, 2008.

The following permit actions have occurred since the initial Title V Federal Operating Permit No. TV1996-09-01 was issued:

| <u>Permit Action</u>                     | <u>Date Issued</u> | <u>Permit No.</u> |
|--|--------------------|-------------------|
| Initial Title V Federal Operating Permit | 03-01-2004         | TV1996-09-01      |
| 1st Minor Modification                   | 07-23-2007         | TV1996-09-02      |

This 1st renewal of the Title V permit will be assigned the permit number TV2009-09-01.

#### **D. FACILITY DESCRIPTION**

Aerojet's primary activities include manufacturing Propulsion Systems and Parts (SIC Code 3764) and Ordnance- Armaments (SIC Code 3489):

1. Propulsion Systems and Parts:

Aerojet manufactures liquid (e.g. Delta, Titan, NK-33) and solid (e.g. AMRAAM, Hawk, Standard Missile, Minuteman) propulsion systems and aerospace components (e.g. F-22 boom) in support of government and commercial contracts. The components can be fabricated, assembled, tested and/or refurbished by Aerojet.

2. Ordnance- Armaments:

Aerojet manufactures ordnance items in support of government and commercial contracts. The ordnance can be fabricated, assembled, tested and/or refurbished by Aerojet.

The activities listed above are supported by boilers, internal combustion engines, rocket motor test stands, paint booths, abrasive blasting processes, baghouses, scrubbers, gasoline dispensing equipment and general maintenance equipment. Research and development and testing are also performed at this facility.

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| <b>E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT</b> |
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Below is a description of SMAQMD Rule 201 permit actions that have taken place since the last modification to the Title V permit through the date 09-01-2011.

**PERMIT CANCELLATIONS:** The following equipment with the specified P/O No. has been removed or is no longer in use and will not be included in the Title V permit renewal. Equipment that was modified will be included in the Title V permit renewal but with a different referenced SMAQMD Rule 201 P/O No.

| Cancelled SMAQMD Rule 201 Permits to Operate |                |                         |                                  |
|--|----------------|-------------------------|----------------------------------|
| P/O No.                                      | Date Cancelled | Equipment Description   | Reason for Cancellation          |
| 2016   | 01-16-2007     | Test Stand              | No longer in use.                |
| 2041   | 05-17-2007     | Test Stand              | Permit Modified by P/O No. 20083 |
| 3255   | 02-27-2008     | Boiler                  | Permit Modified by P/O No. 20443 |
| 3256   | 10-29-2008     | Boiler                  | Permit Modified by P/O No. 21000 |
| 5739   | 10-01-2010     | APC Baghouse            | No longer in use.                |
| 5996   | 05-04-2007     | APC Baghouse            | Permit Modified by P/O No. 19351 |
| 6440   | 03-31-2007     | Boiler                  | Permit Modified by P/O No. 19730 |
| 6893   | 04-15-2010     | Paint Spray Booth       | No longer in use.                |
| 6981   | 04-16-2010     | Paint Spray Booth       | No longer in use.                |
| 7413   | 03-01-2011     | APC Baghouse            | No longer in use.                |
| 8263   | 06-30-2008     | Test Stand              | Permit Modified by P/O No. 21132 |
| 8457   | 04-21-2010     | APC Baghouse            | No longer in use.                |
| 9964   | 06-30-2008     | Abrasive Blasting Booth | Permit Modified by P/O No. 20917 |
| 10303  | 01-16-2008     | Boiler                  | Permit Modified by P/O No. 20438 |
| 10304  | 09-30-2008     | Boiler                  | Permit Modified by P/O No. 20869 |
| 10305  | 09-30-2008     | Boiler                  | Permit Modified by P/O No. 20872 |
| 10306  | 03-31-2007     | Boiler                  | Permit Modified by P/O No. 19735 |
| 10307  | 02-27-2008     | Boiler                  | Permit Modified by P/O No. 20440 |
| 10308  | 10-29-2008     | Boiler                  | Permit Modified by P/O No. 21081 |
| 10309  | 09-30-2008     | Boiler                  | Permit Modified by P/O No. 20870 |
| 10310  | 02-27-2008     | Boiler                  | Permit Modified by P/O No. 20441 |
| 10314  | 12-12-2006     | Boiler                  | Permit Modified by P/O No. 19748 |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| Cancelled SMAQMD Rule 201 Permits to Operate |                |                       |  |
|--|----------------|-----------------------|--|
| P/O No.                                      | Date Cancelled | Equipment Description | Reason for Cancellation                |
| 10315  | 04-30-2007     | Boiler                | No longer in use.                      |
| 10317  | 12-12-2006     | Boiler                | Permit Modified by P/O No. 19749       |
| 10319  | 11-30-2008     | Boiler                | Permit Modified by P/O No. 20873       |
| 10321  | 10-29-2008     | Boiler                | Permit Modified by P/O No. 21080       |
| 10322  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19733       |
| 10326  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19741       |
| 10327  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19742       |
| 10330  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19743       |
| 10331  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19740       |
| 10332  | 03-05-2008     | Boiler                | Permit Modified by P/O No. 20439       |
| 10333  | 12-12-2006     | Boiler                | Permit Modified by P/O No. 19737       |
| 10334  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19738       |
| 10337  | 12-20-2006     | Boiler                | Permit Modified by P/O No. 19729       |
| 10339  | 04-30-2008     | Boiler                | Permit Modified by P/O No. 20600       |
| 10341  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19739       |
| 10342  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19750       |
| 10353  | 11-30-2008     | Boiler                | Permit Modified by P/O No. 21083       |
| 10355  | 02-03-2009     | Boiler                | The boiler is de-rated to < 1 MMBTU/hr |
| 10356  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19747       |
| 10358  | 01-24-2008     | Boiler                | Permit Modified by P/O No. 19731       |
| 10361  | 03-05-2008     | Boiler                | Permit Modified by P/O No. 19746       |
| 10378  | 02-06-2009     | APC Baghouse          | No longer in use.                      |
| 10421  | 03-31-2010     | IC Engine Standby     | No longer in use.                      |
| 10779  | 07-16-2008     | IC Engine Standby     | Equipment has been removed.            |
| 12357  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19744       |
| 12358  | 03-31-2007     | Boiler                | Permit Modified by P/O No. 19745       |
| 12363  | 01-29-2009     | Boiler                | Permit Modified by P/O No. 21146       |
| 12364  | 04-18-2008     | Boiler                | Permit Modified by P/O No. 20442       |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| Cancelled SMAQMD Rule 201 Permits to Operate |                |                            |                                  |
|--|----------------|----------------------------|----------------------------------|
| P/O No.                                      | Date Cancelled | Equipment Description      | Reason for Cancellation          |
| 12366  | 01-29-2009     | Boiler                     | Permit Modified by P/O No. 21145 |
| 12367  | 05-21-2009     | Boiler                     | Permit Modified by P/O No. 21605 |
| 12368  | 04-07-2011     | Boiler                     | No longer in use.                |
| 12376  | 04-30-2007     | Boiler                     | Permit Modified by P/O No. 19751 |
| 12377  | 04-10-2008     | Boiler                     | Permit Modified by P/O No. 20601 |
| 12378  | 04-30-2008     | Boiler                     | Permit Modified by P/O No. 20602 |
| 12933  | 01-24-2008     | Boiler                     | Permit Modified by P/O No. 19732 |
| 12935  | 04-10-2008     | Boiler                     | Permit Modified by P/O No. 20599 |
| 13556  | 10-29-2008     | Boiler                     | Permit Modified by P/O No. 21084 |
| 13558  | 03-31-2007     | Boiler                     | Permit Modified by P/O No. 19752 |
| 13560  | 01-29-2009     | Boiler                     | Permit Modified by P/O No. 21141 |
| 13561  | 01-29-2009     | Boiler                     | Permit Modified by P/O No. 21142 |
| 13562  | 01-29-2009     | Boiler                     | Permit Modified by P/O No. 21143 |
| 13563  | 03-31-2011     | Autoclave                  | No longer in use.                |
| 14512  | 08-20-2007     | Dust Collector             | Permit Modified by P/O No. 20418 |
| 15126  | 08-17-2009     | PM Handling System         | Permit Modified by P/O No. 21653 |
| 15335  | 11-03-2009     | IC Engine Standby          | Permit Modified by P/O No. 21136 |
| 15436  | 09-30-2008     | Boiler                     | Permit Modified by P/O No. 21203 |
| 16049  | 11-30-2008     | Boiler                     | Permit Modified by P/O No. 21082 |
| 17638  | 02-28-2007     | Rocket Test Stand          | Permit Modified by P/O No. 18769 |
| 17830  | 10-09-2008     | Aerospace Misc. Coating    | Permit Modified by P/O No. 21140 |
| 18053  | 01-29-2009     | Boiler                     | Permit Modified by P/O No. 21144 |
| 18118  | 11-30-2008     | Liquid Waste Vol Reduction | No longer in use.                |
| 18650  | 05-17-2010     | Abrasive Blasting          | Permit Modified by P/O No. 22040 |
| 18651  | 02-27-2008     | Abrasive Blasting          | Permit Modified by P/O No. 20485 |
| 18769  | 04-22-2008     | Rocket Test Stand          | Permit Modified by P/O No. 20703 |
| 18793  | 05-04-2007     | Miscellaneous              | Permit Modified by P/O No. 20030 |
| 18840  | 04-22-2008     | Aerospace Misc. Coating    | Permit Modified by P/O No. 20652 |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| Cancelled SMAQMD Rule 201 Permits to Operate |                |                       |  |
|--|----------------|-----------------------|--|
| P/O No.                                      | Date Cancelled | Equipment Description | Reason for Cancellation  |
| 19351  | 09-20-2010     | APC Baghouse          | Permit Modified by P/O No. 22170                                     |
| 19730  | 05-31-2007     | Boiler/Heater         | No longer in use.  |
| 19736  | 04-30-2007     | Boiler/Heater         | P/O No.10308 (the permit replaced by this one) has been re-instated. |
| 19738  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19739  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19740  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19741  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19742  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19743  | 10-04-2010     | Boiler/Heater         | No longer in use.  |
| 19744  | 03-31-2010     | Boiler/Heater         | No longer in use.  |
| 19745  | 03-31-2010     | Boiler/Heater         | No longer in use.  |
| 19746  | 02-05-2008     | Boiler/Heater         | Permit Modified by P/O No. 20313                                     |
| 20030  | 02-27-2008     | Chem Manuf Process    | Permit Modified by P/O No. 20492                                     |
| 20083  | 06-30-2008     | Rocket Test Stand     | Permit Modified by P/O No. 21015                                     |
| 20418  | 06-18-2010     | APC Baghouse          | Permit Modified by P/O No. 22225                                     |
| 20485  | 05-17-2010     | Abrasive Blasting     | Permit Modified by P/O No. 22029                                     |
| 20599  | 01-29-2009     | Boiler                | Permit Modified by P/O No. 21147                                     |
| 21153  | 08-31-2010     | APC Baghouse          | Permit Modified by P/O No. 22438                                     |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

**NEW PERMITS:** The following SMAQMD Rule 201 Permits to Operate have been issued since the last Title V modification through the date 09-01-2011. These new Permits to Operate will be incorporated into the Title V permit renewal.

| New SMAQMD Rule 201 Permits to Operate |             |   |
|--|-------------|---|
| P/O No.                                | Date Issued | Description   |
| 19729                                  | 12-19-2006  | 1.26 MMBTU/hr Boiler - Modification of P/O No. 10337 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year. |
| 19731                                  | 01-22-2008  | 2.1 MMBTU/hr Boiler - Modification of P/O No. 10358 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.  |
| 19732                                  | 01-22-2008  | 2.52 MMBTU/hr Boiler - Modification of P/O No. 12933 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year. |
| 19733                                  | 03-29-2007  | 2.94 MMBTU/hr Boiler - Modification of P/O No. 10322 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year. |
| 19735                                  | 03-29-2007  | 1.6 MMBTU/hr Boiler - Modification of P/O No. 10306 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.  |
| 19737                                  | 12-11-2006  | 3.36 MMBTU/hr Boiler - Modification of P/O No. 10333 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year. |
| 19738                                  | 03-29-2007  | 2.8 MMBTU/hr Boiler - Modification of P/O No. 10334 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year.  |
| 19739                                  | 03-29-2007  | 2.52 MMBTU/hr Boiler - Modification of P/O No. 10341 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year. |
| 19740                                  | 03-29-2007  | 2.1 MMBTU/hr Boiler - Modification of P/O No. 10331 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.  |
| 19741                                  | 03-29-2007  | 2.1 MMBTU/hr Boiler - Modification of P/O No. 10326 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.  |
| 19742                                  | 03-29-2007  | 2.1 MMBTU/hr Boiler - Modification of P/O No. 10327 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.  |



**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| New SMAQMD Rule 201 Permits to Operate |             |  |
|--|-------------|--|
| P/O No.                                | Date Issued | Description  |
| 19743                                  | 03-29-2007  | 2.1 MMBTU/hr Boiler -<br>Modification of P/O No. 10330 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.    |
| 19744                                  | 03-29-2007  | 20.9 MMBTU/hr Boiler -<br>Modification of P/O No. 12357 to comply with SMAQMD Rule 411 by taking a fuel restriction of 200,000 therms per year.  |
| 19745                                  | 03-29-2007  | 20.9 MMBTU/hr Boiler -<br>Modification of P/O No. 12358 to comply with SMAQMD Rule 411 by taking a fuel restriction of 2000,000 therms per year. |
| 19747                                  | 03-29-2007  | 2.1 MMBTU/hr Boiler -<br>Modification of P/O No. 10356 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.    |
| 19748                                  | 12-11-2006  | 1.26 MMBTU/hr Boiler -<br>Modification of P/O No. 10314 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.   |
| 19749                                  | 12-11-2006  | 1.26 MMBTU/hr Boiler -<br>Modification of P/O No. 10317 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.   |
| 19750                                  | 03-29-2007  | 1.47 MMBTU/hr Boiler -<br>Modification of P/O No. 10342 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.   |
| 19751                                  | 04-02-2007  | 5.25 MMBTU/hr Boiler -<br>Modification of P/O No. 12376 to comply with SMAQMD Rule 411 by taking a fuel restriction of 200,000 therms per year.  |
| 19752                                  | 03-29-2007  | 1.3 MMBTU/hr Boiler -<br>Modification of P/O No. 13558 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.    |
| 20313                                  | 03-04-2008  | 1.7 MMBTU/hr Boiler -<br>Replacing P/O No. 19746 to comply with SMAQMD Rule 411.   |
| 20384                                  | 01-22-2008  | 3.45 MMBTU/hr Boiler   |
| 20418                                  | 08-10-2007  | APC Baghouse -<br>Modification of P/O No. 14512  |
| 20419                                  | 12-14-2007  | Depaint Process  |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| New SMAQMD Rule 201 Permits to Operate |             |   |
|--|-------------|---|
| P/O No.                                | Date Issued | Description   |
| 20438                                  | 01-11-2008  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 10303 to comply with SMAQMD Rule 411 by replacing the burner.                                |
| 20439                                  | 03-04-2008  | 2.5 MMBTU/hr Boiler -<br>Modification of P/O No. 10332 to comply with SMAQMD Rule 411 by replacing the burner.                                |
| 20440                                  | 02-22-2008  | 1.7 MMBTU/hr Boiler -<br>Modification of P/O No. 10307 to comply with SMAQMD Rule 411 by replacing the burner.                                |
| 20441                                  | 02-26-2008  | 2.1 MMBTU/hr Boiler -<br>Modification of P/O No. 10310 to comply with SMAQMD Rule 411 by replacing the burner.                                |
| 20442                                  | 04-16-2008  | 6.3 MMBTU/hr Boiler -<br>Modification of P/O No. 12364 to comply with SMAQMD Rule 411 by replacing the burner.                                |
| 20443                                  | 02-22-2008  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 3255 to comply with SMAQMD Rule 411 by replacing the burner.                                 |
| 20485                                  | 02-22-2008  | Abrasive Blasting -<br>Modification of P/O No. 18651  |
| 20492                                  | 02-22-2008  | Chemical Process -<br>Modification of P/O No. 20030   |
| 20600                                  | 04-10-2008  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 10339 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year. |
| 20601                                  | 04-10-2008  | 5.25 MMBTU/hr Boiler -<br>Replacing P/O No. 12377 to comply with SMAQMD Rule 411 by taking a fuel restriction of 200,000 therms per year.     |
| 20602                                  | 04-10-2008  | 5.28 MMBTU/hr Boiler -<br>Replacing P/O No. 12378 to comply with SMAQMD Rule 411 by taking a fuel restriction of 200,000 therms per year.     |
| 20652                                  | 04-21-2008  | Aerospace Misc. Coating -<br>Modification of P/O No. 18840  |
| 20703                                  | 04-21-2008  | Rocket Test Stand -<br>Modification of P/O No. 18769  |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| New SMAQMD Rule 201 Permits to Operate |             |   |
|--|-------------|---|
| P/O No.                                | Date Issued | Description   |
| 20869                                  | 09-23-2008  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 10304 to comply with SMAQMD Rule 411 by taking an enforceable emission limit compliant with SMAQMD Rule 411. |
| 20870                                  | 09-23-2008  | 2.1 MMBTU/hr Boiler -<br>Modification of P/O No. 10309 to comply with SMAQMD Rule 411 by taking an enforceable emission limit compliant with SMAQMD Rule 411. |
| 20872                                  | 09-23-2008  | 2.5 MMBTU/hr Boiler -<br>Modification of P/O No. 10305 to comply with SMAQMD Rule 411 by taking an enforceable emission limit compliant with SMAQMD Rule 411. |
| 20873                                  | 11-25-2008  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 10319 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 20917                                  | 06-13-2008  | Abrasive Blasting Booth -<br>Modification of P/O No. 9964   |
| 21000                                  | 10-30-2008  | 3.36 MMBTU/hr Boiler -<br>Modification of P/O No. 3256 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year.                 |
| 21015                                  | 06-13-2008  | Rocket Test Stand -<br>Modification of P/O No. 20083  |
| 21080                                  | 10-30-2008  | 2.94 MMBTU/hr Boiler -<br>Modification of P/O No. 10321 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year.                |
| 21081                                  | 10-30-2008  | 1.68 MMBTU/hr Boiler -<br>Modification of P/O No. 10308 to comply with SMAQMD Rule 411 by taking a fuel restriction of 40,000 therms per year.                |
| 21082                                  | 11-25-2008  | 2.1 MMBTU/hr Boiler -<br>Modification of P/O No. 16049 to comply with SMAQMD Rule 411 by replacing the burner.  |
| 21083                                  | 11-25-2008  | 2.9 MMBTU/hr Boiler -<br>Modification of P/O No. 10353 to comply with SMAQMD Rule 411 by replacing the burner.  |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| New SMAQMD Rule 201 Permits to Operate |             |   |
|--|-------------|---|
| P/O No.                                | Date Issued | Description   |
| 21084                                  | 10-30-2008  | 2.5 MMBTU/hr Boiler -<br>Modification of P/O No. 13556 to comply with SMAQMD Rule 411 by taking a fuel restriction of 70,000 therms per year.                 |
| 21132                                  | 06-17-2008  | Rocket Test Stand -<br>Modification of P/O No. 8263   |
| 21136                                  | 11-02-2009  | 568 hp IC Engine Standby, Portable -<br>Modification to P/O No. 15335   |
| 21140                                  | 10-17-2008  | Aerospace Miscellaneous Coating -<br>Modification of P/O No. 17830  |
| 21141                                  | 01-29-2009  | 4.85 MMBTU/hr Boiler -<br>Modification of P/O No. 13560 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.  |
| 21142                                  | 01-29-2009  | 4.8 MMBTU/hr Boiler -<br>Modification of P/O No. 13561 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21143                                  | 01-29-2009  | 4.3 MMBTU/hr Boiler -<br>Modification of P/O No. 13562 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21144                                  | 01-29-2009  | 4.3 MMBTU/hr Boiler -<br>Modification of P/O No. 18053 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21145                                  | 01-29-2009  | 4.9 MMBTU/hr Boiler -<br>Modification of P/O No. 12366 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21146                                  | 01-29-2009  | 4.5 MMBTU/hr Boiler -<br>Modification of P/O No. 12363 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21147                                  | 01-29-2009  | 4.2 MMBTU/hr Boiler -<br>Modification of P/O No. 20599 to comply with SMAQMD Rule 411 by de-rating the boiler/burner.   |
| 21153                                  | 08-01-2008  | APC Baghouse  |
| 21203                                  | 09-23-2008  | 4.9 MMBTU/hr Boiler -<br>Modification of P/O No. 15436 to comply with SMAQMD Rule 411 by taking an enforceable emission limit compliant with SMAQMD Rule 411. |

**E. SMAQMD RULE 201 PERMITTING ACTIONS RELATED TO THE TITLE V PERMIT (continued)**

| New SMAQMD Rule 201 Permits to Operate |             |  |
|--|-------------|--|
| P/O No.                                | Date Issued | Description  |
| 21605                                  | 05-21-2009  | 8.4 MMBTU/hr Boiler -<br>Modification of P/O No. 12367 to comply with SMAQMD Rule 411 by replacing burner with Low-NOx burner                      |
| 21619                                  | 01-28-2009  | IC Engine, emergency use, 619 hp   |
| 21653                                  | 08-06-2009  | APC Baghouse -<br>Modification of APC baghouse P/O No. 15126 to allow for venting of asbestos-containing exhaust air from machining rocket nozzles |
| 21734                                  | 05-14-2010  | Mandrel manufacturing process  |
| 21766                                  | 11-02-2009  | APC Baghouse, 1520 ft2, 10 hp fan, 5,000 cfm capacity.   |
| 21973                                  | 05-14-2010  | APC Baghouse, 264 ft2, 7.5 hp fan, 2000cfm capacity  |
| 22018                                  | 06-28-2011  | Paint spray booth  |
| 22029                                  | 05-14-2010  | Abrasive Blasting<br>Modification of P/O No. 20485   |
| 22040                                  | 05-14-2010  | Abrasive Blasting<br>Modification of P/O No. 18650   |
| 22170                                  | 05-14-2010  | APC Baghouse<br>Modification of P/O No. 19351  |
| 22225                                  | 06-15-2010  | APC Baghouse<br>Modification of P/O No. 20418  |
| 22438                                  | 08-09-2010  | APC Baghouse<br>Modification of P/O No. 21153  |

## F. INSIGNIFICANT EMISSIONS UNIT INFORMATION

Section B of the permittee's Title V permit application contains a list of insignificant emission units operated at the facility. The table below summarizes the list contained in Section B of the permittee's Title V permit application.

These emission units are considered insignificant emission sources and are listed in the Title V permit as such.

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption   | Equipment (for details of equipment see Section B of the permittee's Title V permit application)   |
|---|---|--|
| I. General Criteria for Insignificant Activities  | <p>1. Not subject to a source-specific requirement of a State Implementation Plan</p> <p>and</p> <p>Emits no more than 0.5 tons per year of a federal hazardous air pollutant (HAP) and no more than two tons per year of a regulated pollutant that is not a HAP</p> | <p>a. Unregulated Tanks<br/>A number of etching tanks, cleaning tanks, rinse tanks, storage tanks, dip tanks, etc.</p> <p>b. Various emission units that emit less than 2 lb/day.</p> <p>c. HVAC equipment.</p> <p>d. General Repairs and Maintenance.<br/>This includes operations such as the weld shop, plant-wide janitorial services and general maintenance.</p> |
| II.A Fugitive Emission Sources Associated with Insignificant Activities   | 1. Fugitive emissions sources associated with insignificant activities  |  |
| II.B Combustion and Heat Transfer Equipment   | <p>1. Combustion equipment with maximum heat input &lt; 1,000,000 BTU/hour (A) and exclusively fired with natural gas or LPG (propane)</p> <p>2. Piston-type internal combustion engine with rating <math>\leq</math> 50 bhp</p>                                      | <p>a. Space Heaters</p> <p>b. Boilers</p> <p>c. IC Engines</p>   |

**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption   | Equipment (for details of equipment see Section B of the permittee's Title V permit application) |
|---|---|--|
| II.C Cooling Towers   | 1. Any water cooling tower which: 1) has a circulation rate of less than 10,000 gallons per minute; and 2) is not used to cool process water, water from barometric jets, or water from barometric condensers   | NA   |
| II.D Printing and Reproduction Equipment  | 1. Any printing, coating, or laminating activity which uses no more than two gallons per day of graphic arts materials, including: inks, coatings, adhesives, fountain solutions, thinners, retarders, or cleaning solutions.<br><br>2. Any laser printing equipment. | Office printers, fax and copiers   |
| II.E Food Processing Equipment  | NA  | NA   |
| II.F Plastic and / or Rubber Processing Equipment   | NA  | NA   |
| II.G Storage Containers, Reservoirs, and Tanks - Fuel, Fuel Oil and Asphalt   | 1. Any equipment used exclusively for the storage of fuel oils or non-air-blown asphalt with specific gravity 0.9042 or higher (25° API or lower) as determined by API test method 2547 or ASTM test method D-1298-80.  | a. Fuel storage tanks for diesel and JP10.   |

**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption   | Equipment (for details of equipment see Section B of the permittee's Title V permit application)  |
|---|---|---|
| II.H Storage Containers, Reservoirs, and Tanks - General Organic and VOC-Containing Material                                | <ol style="list-style-type: none"> <li>Any equipment used exclusively for the storage of unheated organic material with: <ol style="list-style-type: none"> <li>An initial boiling point of 150° C [302° F] or greater as determined by ASTM test method 1078-86); or</li> <li>A vapor pressure of no more than five millimeters mercury (mmHg) [0.1 pound per square inch (psi) absolute] as determined by ASTM test method D-2879-86.</li> </ol> </li> <li>Any equipment with a capacity of no more than 250 gallons used exclusively for the storage of unheated organic liquid.</li> <li>Any equipment with a capacity of no more than 6,077 gallons used exclusively for the underground storage of unheated organic liquid with a vapor pressure no more than 75 mm Hg (1.5 psi absolute) as determined by ASTM test method D-2879-86.</li> </ol> | <ol style="list-style-type: none"> <li>Tanks containing liquids with <math>V_p \leq 77.5</math> mm Hg and &lt; 6076 Gal Capacity<br/> These tanks contain mainly motor oil, kerosene, Kodak Rp developer solution, butyl acetate, xylene, IPA and hydraulic oil.</li> <li>Unheated, non-conveyorized solvent rinsing containers and dip tanks.</li> </ol> |
| II.I Storage Containers, Reservoirs, and Tanks - Inorganic Material   | NA  | NA  |



**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption  | Equipment (for details of equipment see Section B of the permittee's Title V permit application)  |
|---|--|---|
| II.J Storage Containers, Reservoirs, and Tanks - Liquefied Gases  | 1. Any equipment used exclusively for the storage of liquefied gases in unvented (except for emergency pressure-relief valves) pressure vessels.   | a. Tanks containing liquefied or compressed gases. These tanks contain mainly LPG, liquid nitrogen, liquid argon, liquid and gaseous H <sub>2</sub> , liquid and gaseous O <sub>2</sub> and helium. |
| II.K Compression and Storage of Dry Natural Gas   | NA   | NA  |
| II.L Transfer Equipment   | NA   | NA  |
| II.M Adhesive Application   | NA   | NA  |
| II.N Surface Coating  | 1. Any equipment or activity using no more than one gallon per day of surface coating, or any combination of surface coating and solvent, which contains either VOC or hazardous air pollutants (HAP), or both.  | Various equipment meeting the described criteria.   |
| II.O Solvent Cleaning   | 1. Any equipment or activity using no more than one gallon per day of solvent, or combination of solvent and surface coating, which contains either VOC or HAP, or both.<br><br>2. Any unheated, non-conveyorized cleaning equipment (not including control enclosures):<br>a. which has an open surface area of no more than 10.8 square feet (2 square meters) | Various equipment meeting the described criteria.   |

**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption   | Equipment (for details of equipment see Section B of the permittee's Title V permit application) |
|---|---|--|
|   | <p>and internal volume of no more than 92.5 gallons</p> <p>b. which uses organic solvents with an initial boiling point of 302° F or greater as determined by ASTM test method 1078-78</p> <p>c. from which the owner or operator can demonstrate, through solvent purchase and use records, that less than 25 gallons per year of solvent was lost exclusive of solvent loss from recycling or disposal.</p> <p>3. Any solvent wipe cleaning provided such cleaning:</p> <p>a. utilizes a container applicator to limit emissions (e.g., squeeze containers with narrow tips, spray bottles, dispensers with press-down caps, etc.)</p> <p>b. occurs at a facility which emits no more than five tons VOC (uncontrolled emissions) per calendar year from all solvent wipe-cleaning operations or which purchases no more than 1,500 gallons of solvent per calendar</p> |  |

**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption  | Equipment (for details of equipment see Section B of the permittee's Title V permit application) |
|---|--|--|
|   | year.  |  |
| II.P Abrasive Blasting  | <ol style="list-style-type: none"> <li>Any blast cleaning equipment using a suspension of abrasive material in water and the control equipment venting such blast cleaning equipment.</li> <li>Any abrasive blast room when vented to a control device that discharges back to the room.</li> </ol>        | Various equipment meeting the described criteria.  |
| II.Q Brazing, Soldering, Welding and Cutting Torches  | <ol style="list-style-type: none"> <li>Any brazing, soldering, welding, or cutting torch equipment used in manufacturing and construction activities and with the potential to emit hazardous air pollutant (HAP) metals, provided the total emissions of HAPs do not exceed 0.5 tons per year.</li> </ol> | Various equipment meeting the described criteria.  |
| II.R Solder Leveler, Hydrosqueegee, Wave Solder Machine, or Drag Solder Machine   | NA   | NA   |
| II.S Metal Products   | NA   | NA   |
| II.T Aerosol Can Puncturing or Crushing   | NA   | NA   |
| II.U Biotechnology Manufacturing  | NA   | NA   |
| II.V Textile Dyeing, Stripping or Bleaching   | NA   | NA   |

**F. INSIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

| Equipment Category as Listed in the SMAQMD Title V List and Criteria "List of Insignificant Activities", adopted 04-26-2001 | Basis for Exemption  | Equipment (for details of equipment see Section B of the permittee's Title V permit application) |
|---|--|--|
| II.W Laboratory Fume Hoods and Vents  | 1. Any laboratory fume hood or vent, provided such equipment is used exclusively for the purpose of teaching, research, or quality control.  | a. Laboratory equipment. These units include general lab operations, hoods and process areas.    |
| II.X Refrigeration Units  | 1. Any refrigeration unit provided the unit:<br><br>a. Contains less than 50 pounds of refrigerant; and<br><br>b. Is not used in conjunction with air pollution control equipment.         | a. Refrigeration units   |
| NA  | 1. CERCLA sources that are covered by a U.S. EPA consent decree under CERCLA and thus not subject to SMAQMD Rule 201 permit requirements and therefore not included in the Title V permit. | a. CERCLA Activities<br>The permittee operates a number of air stripping towers.                 |

(A) The Rule 201 exemption level of less than 1 MMBtu/hr was used instead of the  $\leq 5$  MMBtu/hr List and Criteria level listed in the above referenced document in order not to confuse the permit exemption level, as listed in category II.B above.

## G. SIGNIFICANT EMISSIONS UNIT INFORMATION

This section describes the emission units that have a current and valid SMAQMD Rule 201 Permit to Operate from the SMAQMD and are part of the Title V Federal Operating Permit.

The column heading "PO No." refers to the assigned SMAQMD Rule 201 Permit to Operate number.

### 1. IC Engine, Emergency Use/Electrical Generator, ≤ 500 hp, Diesel Fuel

| PO No. | Rating (hp) | Manufacturer/<br>Model No./<br>Serial No./ | Location/<br>Building | Maximum Hours of Operation |                                      |
|--------|-------------|--|-----------------------|----------------------------|--------------------------------------|
|        |             |  |                       | Maintenance                | Emergency +<br>Maintenance           |
| 10294  | 50          | Cummins<br>6A3-4-G1<br>53132157            | J-Area                | 20 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10423  | 299         | Caterpillar<br>3208<br>5YF00294            | 30015                 | 20 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10426  | 134         | GM Detroit<br>10437305<br>4A0214108        | 20022                 | 20 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 14748  | 335         | Generac<br>99A06418-5<br>2051487           | 20001                 | 30 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 18758  | 153         | John Deere<br>40445H<br>PE4045H513942      | 00003                 | 50 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**2. IC Engine, Emergency Use/Electrical Generator, > 500 hp, Diesel Fuel**

| PO No. | Rating (hp) | Manufacturer/<br>Model No./<br>Serial No./  | Location/<br>Building | Maximum Hours of Operation |                                      |
|--------|-------------|---|-----------------------|----------------------------|--------------------------------------|
|        |             |   |                       | Maintenance                | Emergency +<br>Maintenance           |
| 10422  | 830         | Detroit<br>6A13506<br>DD12VF002353  | Portable              | 20 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 21136  | 568         | Detroit Diesel<br>8V-92A<br>8VF1777262<br>Retrofitted with Clean Cam Technology<br>System (CARB executive order G-096-029-<br>024-A) - Portable | Portable              | 30 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 21619  | 619         | Caterpillar<br>C15<br>FSE01980  | Portable              | 50 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**3. IC Engine, Emergency Use/Fire Pump, Diesel Fuel**

| PO No. | Rating (hp) | Manufacturer/<br>Model No./<br>Serial No./ | Location/<br>Building | Maximum Hours of Operation |                                      |
|--------|-------------|--|-----------------------|----------------------------|--------------------------------------|
|        |             |  |                       | Maintenance                | Emergency +<br>Maintenance           |
| 10408  | 182         | Cummins<br>6-BTA5.9<br>44675473            | 37013                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10434  | 115         | GM Detroit<br>4061A<br>4A-29520            | 00017                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10435  | 115         | GM Detroit<br>4061A<br>4A-29519            | 00017                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10436  | 115         | GM Detroit<br>4061A<br>4A-29518            | 00017                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10437  | 250         | GM Detroit<br>unknown<br>313596            | 00017                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10438  | 115         | GM Detroit<br>4061A<br>4A-29521            | 00017                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10439  | 152         | Cummins<br>NT-495-FP<br>25147741           | 20007                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**3. IC Engine, Emergency Use/Fire Pump, Diesel Fuel (continued)**

| PO No. | Rating (hp) | Manufacturer/<br>Model No./<br>Serial No./ | Location/<br>Building | Maximum Hours of Operation |                                      |
|--------|-------------|--|-----------------------|----------------------------|--------------------------------------|
|        |             |  |                       | Maintenance                | Emergency +<br>Maintenance           |
| 10440  | 152         | Cummins<br>NT-495-FP<br>25149920           | 20010                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10441  | 115         | GM Detroit<br>4061A<br>APD B51852          | 15011                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10442  | 115         | GM Detroit<br>4061A<br>APD B51851          | 15011                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10443  | 340         | Cummins<br>NT-855-F3<br>11422248           | 46046                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10444  | 340         | Cummins<br>NT-855-F3<br>11422553           | 46046                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10445  | 170         | Cummins<br>NY-495-FP<br>25155927           | 32010                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |
| 10446  | 340         | Cummins<br>NT-855-F3<br>11422554           | 32010                 | 40 hr/yr                   | 24 hr/day<br>200 hr/qtr<br>200 hr/yr |



**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**4. IC Engine, Emergency Use/Electrical Generator, Propane Fuel**

| P/O No. | Rating (hp) | Manufacturer/<br>Model No./<br>Serial No./ | Location/<br>Building | Maximum Hours of Operation |                                 |
|---------|-------------|--|-----------------------|----------------------------|---------------------------------|
|         |             |  |                       | Maintenance                | Emergency                       |
| 10424   | 84          | Generac<br>SG5034150<br>821288/AGC209099   | 20015<br>portable     | 100 hr/yr                  | Unlimited during<br>emergencies |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building                        | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|--|--|
| 12918   | 3.03                 | Kewanee<br>L3S-70-G<br>867701              | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20004  | Steam generation for use as process/comfort heat.  |
| 14603   | 4.25                 | Hearst<br>5622<br>S500-160-1               | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20019A                                       | Steam generation for use as process/comfort heat.  |
| 19729   | 1.26                 | ABCO<br>30C<br>8706                        | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 00006  | Steam generation for use as process/comfort heat.  |
| 19731   | 2.1                  | Cleaver Brooks<br>M4W-2000<br>G-13445-M4   | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | Various<br>Locations<br>(portable<br>backup) | This boiler is used on a standby basis as a replacement unit for a boiler which is permanently connected to a fuel source and taken out of service for maintenance purposes or because of a breakdown. |
| 19732   | 2.52                 | ABCO<br>60C<br>8714                        | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | Various<br>Locations<br>(portable<br>backup) | This boiler is used on a standby basis as a replacement unit for a boiler which is permanently connected to a fuel source and taken out of service for maintenance purposes or because of a breakdown. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|-----------------------|--|
| 19733   | 2.94                 | Ray Husky<br>WR3-70<br>B7936               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01023                 | Steam generation for use as<br>process/comfort heat. |
| 19735   | 1.6                  | Ray Husky<br>WR3-40<br>B5581               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01034                 | Steam generation for use as<br>process/comfort heat. |
| 19737   | 3.36                 | Ray Husky<br>NB9056<br>N/A                 | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01062                 | Steam generation for use as<br>process/comfort heat. |
| 19747   | 2.1                  | ABCO<br>50C<br>8897                        | Propane                   | 8 hr/day<br>5 day/wk<br>50 wk/yr | 46038                 | Steam generation for use as<br>process/comfort heat. |
| 19748   | 1.26                 | Kewanee<br>2775<br>K3595                   | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 49011                 | Steam generation for use as<br>process/comfort heat. |
| 19749   | 1.26                 | Kewanee<br>2775<br>K7122                   | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 49011                 | Steam generation for use as<br>process/comfort heat. |
| 19750   | 1.47                 | ABCO<br>40C<br>8867                        | Propane                   | 8 hr/day<br>5 day/wk<br>50 wk/yr | 04056                 | Steam generation for use as<br>process/comfort heat. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|-----------------------|--|
| 19752   | 1.3                  | ABCO<br>30C<br>8713                        | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20004                 | Steam generation for use as<br>process/comfort heat. |
| 20313   | 1.7                  | Ray Husky<br>WR3-40<br>B5542               | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 00007                 | Steam generation for use as<br>process/comfort heat. |
| 20384   | 3.45                 | Husky<br>WR 3-90<br>B5309                  | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 05080                 | Steam generation for use as<br>process/comfort heat. |
| 20438   | 4.2                  | Cleaver Brooks<br>CBH 101-100<br>L44455    | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01023                 | Steam generation for use as<br>process/comfort heat. |
| 20439   | 2.5                  | Superior<br>NB9053<br>N/A                  | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01028                 | Steam generation for use as<br>process/comfort heat. |
| 20440   | 1.7                  | Ray Husky<br>WR3-40<br>15499               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01050                 | Steam generation for use as<br>process/comfort heat. |
| 20441   | 2.1                  | Ray Husky<br>WR3-50<br>15546               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01058                 | Steam generation for use as<br>process/comfort heat. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|-----------------------|--|
| 20443   | 4.2                  | Cleaver Brooks<br>CB 189-100<br>L41586     | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20015B                | Steam generation for use as<br>process/comfort heat. |
| 20600   | 4.2                  | Husky<br>WR3-100<br>B5495-4052             | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01062                 | Steam generation for use as<br>process/comfort heat. |
| 20869   | 4.2                  | Cleaver Brooks<br>CBH 101-100<br>L44454    | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01023                 | Steam generation for use as<br>process/comfort heat. |
| 20870   | 2.1                  | Ray Husky<br>WR3-50<br>15545               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01058                 | Steam generation for use as<br>process/comfort heat. |
| 20872   | 2.5                  | Ray Husky<br>WR3-60<br>15244               | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01028                 | Steam generation for use as<br>process/comfort heat. |
| 20873   | 4.2                  | Ray Husky<br>WR3-100<br>B50765             | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01066                 | Steam generation for use as<br>process/comfort heat. |
| 21000   | 3.36                 | Cleaver Brooks<br>CBX189X-80<br>L29651     | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20025A                | Steam generation for use as<br>process/comfort heat. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|-----------------------|--|
| 21080   | 2.94                 | Husky<br>WR3-70<br>B7936                   | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01034                 | Steam generation for use as<br>process/comfort heat. |
| 21081   | 1.68                 | Johnston Co.<br>213-BCP<br>S3262           | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01056                 | Steam generation for use as<br>process/comfort heat. |
| 21082   | 2.1                  | Kewanee<br>FB 194W-A522-X<br>648490        | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20002                 | Steam generation for use as<br>process/comfort heat. |
| 21083   | 2.9                  | Kewanee<br>M 235<br>65581                  | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20001                 | Steam generation for use as<br>process/comfort heat. |
| 21084   | 2.5                  | Superior<br>4-5-304<br>8667                | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20019                 | Steam generation for use as<br>process/comfort heat. |
| 21141   | 4.85                 | ABCO<br>150AFDG-150<br>8963                | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20002                 | Steam generation for use as<br>process/comfort heat. |
| 21142   | 4.8                  | ABCO<br>150AFDG-150<br>8965                | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20002                 | Steam generation for use as<br>process/comfort heat. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**5. Boiler, Small (Heat Input < 5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building                        | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|--|--|
| 21143   | 4.3                  | ABCO<br>150AFDG-150<br>8964                | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20004  | Steam generation for use as<br>process/comfort heat. |
| 21144   | 4.3                  | Superior<br>MS5625<br>8812                 | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 5080   | Steam generation for use as<br>process/comfort heat. |
| 21145   | 4.9                  | Ray Husky<br>WR3-150<br>B5173-3548         | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01086  | Steam generation for use as<br>process/comfort heat. |
| 21146   | 4.5                  | Ray Husky<br>WR3-125<br>B-5308             | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01096  | Steam generation for use as<br>process/comfort heat. |
| 21147   | 4.2                  | Hurst<br>S625-150-16<br>N/A                | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | Various<br>Locations<br>(portable<br>backup) | Steam generation for use as<br>process/comfort heat. |
| 21203   | 4.9                  | Hurst<br>FM-200-D-12<br>S1000-15-11        | Natural Gas               | 8 hr/day<br>5 day/wk<br>50 wk/yr | 20004  | Steam generation for use as<br>process/comfort heat. |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**6. Boiler, Large (Heat Input  $\geq$  5 MMBTU/hr)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|-----------------------|--|
| 12369   | 6.3                  | York Shipley<br>SPHC59-125-3<br>60-6191    | Propane                   | 8 hr/day<br>5 day/wk<br>50 wk/yr | 04045                 | Steam generation for use as<br>process/comfort heat. |
| 12370   | 5.25                 | Cleaver Brooks<br>CB100-125<br>L76910      | Propane                   | 8 hr/day<br>5 day/wk<br>50 wk/yr | 04090                 | Steam generation for use as<br>process/comfort heat. |
| 14064   | 5.0                  | Hurst<br>5712<br>S625-15-24                | Synthetic<br>Diesel       | 8 hr/day<br>5 day/wk<br>50 wk/yr | 38008                 | Steam generation for use as<br>process support heat. |
| 14611   | 15.6                 | Cleaver Brooks<br>D-26-RH<br>WG3378        | Synthetic<br>Diesel       | 8 hr/day<br>5 day/wk<br>50 wk/yr | 38008                 | Steam generation for use as<br>process support heat. |
| 19751   | 5.25                 | ABCO<br>125RD<br>8712                      | Propane                   | 8 hr/day<br>5 day/wk<br>50 wk/yr | 36015                 | Steam generation for use as<br>process/comfort heat. |
| 20442   | 6.3                  | Husky/Ray<br>WR3-150<br>B5173              | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01086                 | Steam generation for use as<br>process/comfort heat. |



**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**6. Boiler, Large (Heat Input  $\geq$  5 MMBTU/hr) (continued)**

| P/O No. | Rating<br>(MMBTU/hr) | Manufacturer/<br>Model No./<br>Serial No./ | Fuel                      | Operating<br>Schedule            | Location/<br>Building                        | Equipment Use  |
|---------|----------------------|--|---------------------------|----------------------------------|--|--|
| 20601   | 5.25                 | Cleaver Brooks<br>CB100-125<br>L78698      | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | Various<br>Locations<br>(portable<br>backup) | This boiler is used on a standby basis as a replacement unit for a boiler which is permanently connected to a fuel source and taken out of service for maintenance purposes or because of a breakdown. |
| 20602   | 5.28                 | ABCO<br>125A<br>8889                       | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | Various<br>Locations<br>(portable<br>backup) | This boiler is used on a standby basis as a replacement unit for a boiler which is permanently connected to a fuel source and taken out of service for maintenance purposes or because of a breakdown. |
| 21605   | 8.4                  | Husky/Ray<br>WR3-200<br>B7948              | Natural Gas<br>or Propane | 8 hr/day<br>5 day/wk<br>50 wk/yr | 01023  | Steam generation for use as process/comfort heat.  |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**7. Space Heater**

| P/O No. | Equipment Description  | Building | Operating Schedule               |
|---------|--|----------|----------------------------------|
| 12127   | Make: Lambert/Raznor<br>Model: Various Models<br>Fuel: Natural Gas<br>Number of Units: 36 at 0.1 MMBTU/hr each<br>Rating: 3.6 MMBTU/hr (combined total)      | 20022    | 8 hr/day<br>5 day/wk<br>50 wk/yr |
| 13660   | Make: Various Makes<br>Model: Various Models<br>Fuel: Natural Gas<br>Number of Units: 24 at various MMBTU/hr each<br>Rating: 3.015 MMBTU/hr (combined total) | 20015    | 8 hr/day<br>5 day/wk<br>50 wk/yr |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**8. Rocket Testing - Liquid Fuels**

| PO No. | Equipment Description  | Location/<br>Building  |
|--------|--|------------------------|
| 8534   | Rocket Engine Test Stands, E Zone, and associated oxidizer flare stack venting the liquid hydrogen run tanks | Zone E                 |
| 12164  | Rocket Engine Test Stand, E-5  | Zone E, Test Stand E-5 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**9. Rocket Testing - Solid Fuels**

| PO No. | Equipment Description  | Location/<br>Building |
|--------|--|-----------------------|
| 66     | Horizontal Test Stand, W-4, for static firing of solid rocket motors.              | 46100                 |
| 68     | Horizontal Test Stand, J-1A, for simulated altitude firing of solid rocket motors. | J-Zone<br>38000       |
| 71     | Horizontal Test Stand, T4, for static firing of igniters and solid rocket motors.  | 46035                 |
| 18853  | Horizontal Test Stand, T3, for static firing of igniters and solid rocket motors.  | 46035                 |
| 18859  | Horizontal Test Stand, T2, for static firing of igniters and solid rocket motors.  | 46035                 |
| 20703  | Horizontal Test Stand, P3, for static firing of solid rocket motors.               | 46030                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**10. Rocket Testing - Liquid and Solid Fuels**

| PO No. | Equipment Description   | Location/<br>Building           |
|--------|---|---------------------------------|
| 21015  | Test Stand, J Zone, for static firing of liquid and solid rocket motors.  | Zone J<br>Area 38<br>Bldg 38090 |
| 8633   | Oxidizer flare venting system. After testing small scale liquid fuel engines/components, oxidizers containing fluorides and fuels (except the hydrazines) are vented to the flare and oxidized.   |                                 |
| 8641   | Fuel flare stack venting the run tank and supply lines from the tank safety valve to the thrust chamber assembly valve.   |                                 |
| 9284   | APC scrubbing system venting hydrazines and nitrogen tetroxide emissions from rocket component testing and propellant transfer, consisting of:<br>1. One (1) fuel scrubber: 10 ft long x 6 in diameter, water spray, gas labyrinth type using water solution as scrubbing liquor.<br>2. One (1) oxidizer scrubber: 10 ft long x 6 in diameter, water spray, gas labyrinth type using water solution as scrubbing liquor.<br>3. Associated piping, scrubbing liquor storage tanks. |                                 |
| 21132  | Rocket Engine Test Stands, A Zone, for static firing of liquid and solid rocket motors.   | Zone A<br>Bldg 30101/<br>30102  |
| 9328   | APC scrubbing system venting hydrazines and nitrogen tetroxide emissions rocket component testing and propellant transfer, consisting of:<br>1. One (1) fuel scrubber: 12 ft long x 18 in diameter, water spray, gas labyrinth type using water solution as scrubbing liquor.<br>2. One (1) oxidizer scrubber: 10 ft long x 6 in diameter, water spray, gas labyrinth type using water solution as scrubbing liquor.<br>3. Associated piping, scrubbing liquor storage tanks.     |                                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**11. Abrasive Blasting Unit**

| PO No. | Equipment Description   | Location/<br>Building |
|--------|---|-----------------------|
| 6385   | Abrasive Blasting Unit: Semi-automatic abrasive blaster, Progressive Blasting Systems, Serial #6304, 176 hp   | 20005                 |
| 6386   | Baghouse: Progressive Blasting Systems, Model C, Serial # 6304, 10 hp blower and 600 sq ft of filter cloth area.  |                       |
| 8532   | Abrasive Blasting Unit: Pauli & Griffin, model PRAM 31, Serial #109, rated at 2 hp. Equipped with a Pauli & Griffin baghouse, model SCWB-2452, with a 2 hp blower.              | 20004                 |
| 8732   | Abrasive Blasting Unit: Clemco, booth model Flo-Flor (20 ft x 12 ft x 8 ft), blaster model SC 2452, rated at 2.25 hp.   | 20120                 |
| 8733   | Baghouse: Clemco, model 2880, 20.75 hp blower, 2880 sq ft of filter cloth area.   |                       |
| 9963   | Abrasive Blasting Unit: Pauli & Griffin, model PRAM 31, serial #218, rated at 2 hp.<br>Baghouse: Pauli & Griffin, 2 hp blower, 450 sq ft of filter cloth area (cartridge type). | 20004                 |
| 20917  | Abrasive Blasting Unit: Pauli & Griffin, model PRAM 31, Serial #212<br>Baghouse: Pauli & Griffin, 2 hp blower, 450 sq ft of filter cloth area (cartridge type).                 | 01012                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**12. Dry Material Grinding System**

| PO No. | Equipment Description   | Location/<br>Building |
|--------|---|-----------------------|
| 157    | Air Pollution Control System:<br>A. Rotoclone No. 1, American Air Filter, Wet Dynamic Type, Model W, 20 hp<br>B. Exhaust System Venting Microatomizer and 2 DH Micropulverizer Processes  | 01103                 |
| 158    | Air Pollution Control System:<br>A. Rotoclone No. 2, American Air Filter, Wet Dynamic Type, Model W, 20 hp<br>B. Exhaust System Venting Raymond Mill and 2 DH Micropulverizer Processes   | 01103                 |
| 1401   | Oxidizer Grinding System:<br>A. Microatomizer process<br>B. 2 DH Micropulverizer process<br>C. Grinder Bypass Process<br>The grinding system is used to grind various types of oxidizers. The system is vented through integral baghouses and Rotoclone No. 1 (PO 157).                             | 01103                 |
| 1402   | Auxiliary Air Pollution Control System for Raymond Mill:<br>A. Cyclone<br>B. Baghouse, 140 sq ft filter cloth area<br>C. Venting inside grind room no. 2  | 01103                 |
| 7104   | Oxidizer Grinding System:<br>A. Feeder hopper<br>B. Grinding mill<br>C. 100 hp air compressor<br>D. 75 hp air compressor<br>The RDX/HMX grinding system is used to grind various types of oxidizers. The system is operated remotely. The process is vented through collection system (PO No.17904) | 01024                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**12. Dry Material Grinding System (continued)**

| PO No. | Equipment Description  | Location/<br>Building |
|--------|--|-----------------------|
| 7608   | <p>Oxidizer Grinding System:</p> <ul style="list-style-type: none"><li>A. Raymond Mill Process</li><li>B. 2 DH Micropulverizer Process</li><li>C. Grinder Bypass Process</li></ul> <p>The grinding system is used to grind various types of oxidizers. The system is vented through integral baghouses and Rotoclone No. 2 (PO 158).</p>   | 01103                 |
| 17904  | <p>APC System for RDX/HMX Grinding:</p> <p>The collection system consists of four baghouses:</p> <ul style="list-style-type: none"><li>A. Primary Baghouse 1: Mikro-Pulsaire, Model: 255-B-30C, 400 cfm and 235 ft<sup>2</sup> cloth area.</li><li>B. Primary Baghouse 2: Mikro-Pulsaire, Model: 122-DC-3, 400 cfm and 42 ft<sup>2</sup> cloth area</li><li>C. Secondary Baghouse 1: Unknown manufacturer, 400 cfm and 8.1 ft<sup>2</sup> cloth area</li><li>D. Secondary Baghouse 2: Aerojet, 400 cfm &amp; 8.5 ft<sup>2</sup> cloth area</li></ul> | 01024                 |



**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**13. Rocket Motor Dissection Process**

| PO No. | Equipment Description  | Location/<br>Building |
|--------|--|-----------------------|
| 22029  | <p>Abrasive Blasting Equipment<br/> Make: Clemco<br/> Model: 3661<br/> Capacity: 10 ft3</p> <p>Compressor:<br/> Make: Ingersol Rand<br/> Model: P-100-W-W<br/> Serial No.: 114701-U80-901<br/> Driven by: 33 hp gasoline IC engine<br/> Engine Make: White Engine Inc.<br/> Engine Serial No.: G1600X118</p> <p>Chamber rotation stand, 1hp</p> <p>Abrasive: Black Beauty, Grade Fine, certified under applicable CARB Executive Order</p> | 46004<br>W-5          |
| 22040  | <p>Abrasive Blasting Equipment<br/> Make: Clemco<br/> Model: SCFW-2452<br/> Capacity: 6 ft3</p> <p>Compressor:<br/> Make: Ingersol Rand<br/> Rating: 75 hp, electric, 110 psig</p> <p>Chamber rotation stand, 1hp</p> <p>Abrasive: Black Beauty, Grade Fine, certified under applicable CARB Executive Order</p>   | 46011                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**14. Particulate Collection System - Dry**

| PO No. | Make                    | Model           | Filter Area<br>sq ft | Blower<br>hp | Flow<br>cfm | Serving   | Location/<br>Building       |
|--------|-------------------------|-----------------|----------------------|--------------|-------------|---|-----------------------------|
| 277    | Pangborn Corp           | 223CK-1         | 1000                 | 7.8          | 3000        | Carpenter shop (wood shavings and sawdust)                          | 20022                       |
| 22888  | Sternvent Co            | CCP-100-10-2000 | 2000                 | 20           | 5000        | Monarch Missile Master Lathe and the American Pacemaker Lathe       | 20004                       |
| 7455   | American Air Filter (4) | 105-1003052-17  | N/A                  | 6            | 2750        | Submix/Premix Area  | 01112                       |
| 7456   | American Air Filter     | 105-1003052-17  | N/A                  | 2            | 700         | Submix/Premix Area  | 00112                       |
| 8588   | Nilfisk                 | GS-83           | 15.4                 | 1.5          | 208         | Production contingencies, short term projects and asbestos cleanups | 20004 and various locations |
| 15125  | Ross Cook               | 3HZV6-HE2-XP    | 564                  | 40           | 1830        | Machining processes   | 20004                       |
| 22170  | Sternvent Co            | CC-3610-720D    | 720                  | 20           | 5300        | Machine operations in plastics lab                                  | 20004                       |
| 21973  | Arrestall               | AR-45           | 264                  | 7.5          | 2000        | Machining processes   | 05077                       |
| 22225  | Torit                   | 124-7.5         | 400                  | 15           | 2900        | Machining and Woodworking Processes                                 | 20004                       |
| 22438  | Donaldson Torit         | DFO-2-4         | 760                  | 7.5          | 1300        | Rocket motor machining operations in the composite shop.            | 20004                       |
| 21653  | Ross Cook               | 2HZV16-HE32     | 1536                 | 100          | 5000        | NC room machining process   | 20004                       |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**14. Particulate Collection System - Dry (continued)**

| PO No. | Make               | Model   | Filter<br>Area<br>sq ft | Blower<br>hp | Flow<br>cfm | Serving   | Location/<br>Building |
|--------|--------------------|---------|-------------------------|--------------|-------------|---|-----------------------|
| 21766  | Donaldson<br>Torit | DFO-2-8 | 1520                    | 10           | 5000        | Turning, milling and drilling<br>processes using a Hermle 5 Axis-<br>milling machine and an Okuma<br>Howe Vertical Turret Lathe | 20004                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**15. Particulate Collection System - Wet Scrubber**

| PO No. | Equipment Description   | Serving   | Location/<br>Building |
|--------|---|---|-----------------------|
| 165    | Make: Schmieg<br>Model: STM-100<br>Type: Water Scrubber<br>Size: 4'5" W x 4'5" L x 10' H, with a 15 hp pump<br>Blower: 3400 CFM | Unit used to remotely machine propellant samples for testing (Slitter/Saw). | 05030                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**16. Aerospace Coating Operation (Subject to Aerospace NESHAP GG)**

| PO No. | Make       | Serial No./<br>Model No. | Dimensions               | Exhaust Fan<br>hp | Spray Gun Type   | Location/<br>Building |
|--------|------------|--------------------------|--------------------------|-------------------|------------------|-----------------------|
| 150    | Devilbliss | 22050                    | 12'W x 10'H x 7'6"D      | 5 hp              | HVLP             | 01085                 |
| 8444   | Viking     | 1212                     | 12'W x 12'H x 8'D        | 7.5 hp            | HVLP             | 20004                 |
| 17204  | Binks      | PF-A-12-10T              | 12'W x 10'-6"H x 11'-2"D | 5 hp              | HVLP             | 01048                 |
| 17205  | Binks      | PFA-12-10T               | 12'W x 10'-6"H x 11'-2"D | 5 hp              | HVLP             | 01085                 |
| 22018  | None       | None                     | None                     | None              | Hand application | 20004                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**17. Aerospace Cleaning and Surface Preparation Operation (Subject to Aerospace NESHAP GG)**

| PO No. | Description   | Location/<br>Building |
|--------|---|-----------------------|
| 17489  | Miscellaneous facility-wide solvent cleaning and surface preparation of aerospace vehicles and components | Facility-Wide         |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**18. Aerospace Cleaning and Surface Preparation Operation (Not Subject to Aerospace NESHAP GG)**

| PO No. | Description   | Location/<br>Building |
|--------|---|-----------------------|
| 20419  | Solvent cleaning and surface preparation for Space Vehicles | 20004                 |

**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**19. Aerospace Coating Operation (Not Subject to Aerospace NESHAP GG)**

| PO No. | Make              | Application  | Serial No./<br>Model No. | Dimensions         | Exhaust<br>Fan<br><br>hp | Spray Gun<br>Type  | Location/<br>Building |
|--------|-------------------|--|--------------------------|--------------------|--------------------------|--|-----------------------|
| 153    | Devilbliss        | Space Vehicle<br>Coating                             | XSW 6520                 | 12'W x 8'H x 4'2"D | 15 hp                    | HVLP   | 01083                 |
| 5811   | Aerojet<br>Design | Specialty coating                                    | T-114389                 | 12'W x 10'H x 12'D | 0.25 hp                  | HVLP and<br>Air Atomizing<br>Reciprocating<br>Spray Boom<br>(equivalent method<br>that is approved<br>under SMAQMD<br>Rule 456 Section<br>303.9 by SMAQMD<br>and U.S. EPA) | 20004                 |
| 7497   | Binks             | Specialty coating -<br>rubber sealant spray<br>booth | N/A                      | 16'W x 12'H x 26'D | (2) 5-hp<br>blowers      | HVLP   | 20004                 |



**G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)**

**19. Aerospace Coating Operation (Not Subject to Aerospace NESHAP GG) (continued):**

| PO No. | Make               | Application   | Serial No./<br>Model No. | Dimensions         | Exhaust<br>Fan<br><br>hp | Spray Gun<br>Type  | Location/<br>Building |
|--------|--------------------|---|--------------------------|--------------------|--------------------------|--|-----------------------|
| 8217   | Binks              | Specialty coating   | FF-12-8-T                | 12'W x 8'H x 7'6"D | 7.5 hp                   | HVLP and<br>Air Atomizing<br>Reciprocating<br>Spray Boom<br>(equivalent method<br>that is approved<br>under SMAQMD<br>Rule 456 Section<br>303.9 by SMAQMD<br>and U.S. EPA) | 01012                 |
| 20652  | Box-<br>Bleeker    | Space vehicle coating<br>or specialty coatings<br>as defined in App. A<br>of 40 CFR Part 63 |                          | 24'W x 8'H x 10'D  | 7.5 hp                   | HVLP   | 01098                 |
| 21140  | Pratt &<br>Whitney | Space vehicle coating<br>or specialty coatings<br>as defined in App. A<br>of 40 CFR Part 63 |                          | 2'W x 6'H x 32'L   | 0.75 hp                  | Air Atomizing<br>Reciprocating<br>Spray Boom<br>(equivalent method<br>that is approved<br>under SMAQMD<br>Rule 456 Section<br>303.9 by SMAQMD<br>and U.S. EPA)             | 01083                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**20. Coating Operation - Metal and Wood**

| PO No. | Make   | Application    | Serial No./<br>Model No. | Dimensions              | Exhaust<br>Fan (hp) | Spray Gun<br>Type | Location/<br>Building |
|--------|--------|----------------|--------------------------|-------------------------|---------------------|-------------------|-----------------------|
| 7801   | Viking | Metal and wood | Model SB-24              | 14'-0"W x 9'-0"H x 24'L | 3 hp                | HVLP              | 20022                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**21. RDX Drying Facility**

| PO No. | Description  | Location/<br>Building |
|--------|--|-----------------------|
| 7779   | RDX drying facility No. 1, 8' x 8' floor area  | 01024                 |
| 7780   | Condenser venting RDX drying room No. 1, 3-ton refrigeration unit, (2) blowers, 500 cfm each, 0.33 hp each | 01024                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**22. Degreaser, Non-vapor**

| PO No. | Description  | Location/<br>Building |
|--------|--|-----------------------|
| 6968   | Degreaser, non-vapor type, Aerojet manufacture, 30" W x 18" D x 48" L, with water cover and two 0.75-hp exhaust fans | 01126                 |
| 7075   | Degreaser, non-vapor type, Aerojet manufacture, 30" W x 18" D x 48" L, with water cover and two 0.75-hp exhaust fans | 01126                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**23. Bowl Cleaning Station**

| PO No. | Description   | Location/<br>Building |
|--------|---|-----------------------|
| 154    | Bowl cleaning station No. 1 with a 16' W x 13' L elevated platform for propellant mixing bowls 6' 3" dia x 7' h | 01036                 |
| 155    | Bowl cleaning station No. 2 with a 16' W x 13' L elevated platform for propellant mixing bowls 6' 3" dia x 7' h | 01036                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**24. Gasoline Storage and Dispensing Facility**

| P/O No. | Description                              | Location/<br>Building |
|---------|--|-----------------------|
| 17375   | Gasoline storage and dispensing facility | West of Bldg<br>20022 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**25. Pilot Plant Chemical Manufacturing Process**

| PO No. | Description                                | Location/<br>Building |
|--------|--|-----------------------|
| 20492  | Pilot plant chemical manufacturing process | 01020                 |

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| <b>G. SIGNIFICANT EMISSIONS UNIT INFORMATION (continued)</b> |
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**26. Soluble Mandrel Manufacturing Process**

| P/O No. | Description                           | Location/<br>Building |
|---------|---------------------------------------|-----------------------|
| 21734   | Soluble mandrel manufacturing process | 20004                 |



## **H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Facility-wide Requirements - General**

#### **SMAQMD Rule 101 – General Provision and Definitions**

SIP Approved: 09-03-1998 (64 FR 13514)

Rule Description: This rule provides definitions of terms, specifies authority to arrest and specifies what data is public information.

Compliance Status: The rule does not require the permittee to take any actions.

#### **SMAQMD Rule 102 – Circumvention**

SIP Approved: 12-05-1984 (49 FR 47490)

Rule Description: This rule prohibits concealment of emissions and specifies how compliance determinations are made for combined and separated emissions.

Compliance Status: The permittee is expected to comply with the rule requirements.

#### **SMAQMD Rule 105 - Emission Statement**

SIP Approved: 06-06-2008 (73 FR 32240)  
*09-05-1996 rule version is SIP approved*

Rule Description: This rule requires the facility to provide annual emission data.

Compliance Status: The permittee has provided annual emission data as required and is in compliance.

#### **SMAQMD Rule 201 - General Permit Requirements**

SIP Approved: 07-13-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*  
*08-24-2006 rule version is the current version and is not SIP approved*

Rule Description: This rule provides an orderly procedure for the review of new sources of air pollution and of the modification and operation of existing sources through the issuance of permits.

Compliance Status: The permittee has active permits for all sources that require permits.

## **H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Facility-wide Requirements - General (continued)**

#### **SMAQMD Rule 202 - New Source Review**

- SIP approved: SIP approval of 11-20-1984 rule version was withdrawn on 08-19-2011. *10-28-2010 rule version is the current version and is not SIP approved. This rule is not Federally enforceable.*
- Rule Description: This rule sets the procedures for review of new and modified stationary sources and provides the mechanisms for evaluating the applicability of BACT and offset requirements.
- Compliance Status: The permittee's past permit actions have been in compliance with this rule.

#### **SMAQMD Rule 207 - Title V Federal Operating Permits**

- SIP Approved: 11-21-2003 (68 FR 65637) (as part of the Title V Federal Operating Permit program approval)  
*04-26-2001 rule version is SIP approved*
- Rule Description: This rule sets forth the procedures for review, issuance and renewal of Title V operating permits.
- Compliance Status: The permittee has submitted a timely and complete Title V permit renewal application. The expiration date of the current Title V Operating Permit is therefore extended to the time that the SMAQMD makes a decision regarding approving the renewal of the Title V Operating Permit.

#### **SMAQMD Rule 214 - Federal New Source Review**

- SIP Approved: 07-20-2011 (76 FR 43183)
- Rule Description: This rule sets the procedures for review of emissions units at new and modified major stationary sources and provides the mechanisms for evaluating the applicability of BACT and/or offset requirements.
- Compliance Status: This is a recently adopted and SIP approved rule. The facility's equipment will be reviewed pursuant to this rule, if applicable, for all future permitting actions.

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| <b>H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Facility-wide Requirements - General (continued)</b> |
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**SMAQMD Rule 301 - Permit Fees (for Title V referenced fees only)**

SIP approved: The rule is not SIP approved but the portions of the rule that reference Title V permit fees are applicable because they are part of the SMAQMD Title V Federal Operating Permit program approved by U.S. EPA on 11-21-2003 (68 FR 65637).

Rule Description: This rule requires Title V sources to pay specified fees.

Compliance Status: The permittee has paid permit fees as required and is in compliance.

**SMAQMD Rule 307 - Clean Air Act Fees**

SIP approved: 08-26-2003 (68 FR 51184)

Rule Description: This rule requires major sources of VOC and NO<sub>x</sub> to pay specified fees beginning after the U.S. EPA determines that the SMAQMD has failed to demonstrate attainment of the one hour ozone ambient air quality standard by the attainment year.

Compliance Status: The owner/operator is expected to comply with the fee requirement.

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: All of the permittee's equipment is expected to comply with the visible emission requirement.

**SMAQMD Rule 403 - Fugitive Dust**

SIP Approved: 12-05-1984 (49 FR 47490)  
*08-03-1977 rule version is SIP approved*

Rule Description: The rule regulates equipment and processes that may cause fugitive dust emissions into the atmosphere.

Compliance Status: The facility complies with this rule by taking the necessary precautions to ensure that fugitive dust is not airborne beyond the property line.

## **H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Facility-wide Requirements - General (continued)**

#### **SMAQMD Rule 442 - Architectural Coatings**

SIP Approved: 11-09-1998 (63 FR 60214)  
09-05-1996 rule version is SIP approved  
05-24-2001 rule version is the current version and is not SIP approved

Rule Description: This rule limits the quantity of volatile organic compounds in architectural coatings supplied, sold, offered for sale, applied, solicited for application or manufactured for use within the District.

Compliance Status: The affected coatings used by the permittee are received and stored in containers that display the required manufacturer's labels and demonstrate compliance with the rule's requirements.

#### **SMAQMD Rule 466 - Solvent Cleaning**

SIP approved: 05-05-2010 (75 FR 24406)  
10-28-2010 rule version is SIP approved

Rule Description: This rule reduces the emissions of volatile organic compounds from solvent cleaning operations and activities, and from the storage and disposal of new and spent cleaning solvents.

Compliance Status: The affected architectural coating application equipment solvent cleaning materials used by the facility are received and stored in containers that display the required manufacturer's labels and demonstrate compliance with the rule's requirements.

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

#### **SMAQMD Rule 701 - Emergency Episode Plan**

SIP approved: 09-05-2000 (65 FR 53602):

Rule Description: This rule requires a plan be prepared for specific actions to be taken when health related levels of ozone, carbon monoxide or PM10 are exceeded and is applicable to sources exceeding 50 tons of VOC or NOx or 100 tons of CO or PM.

Compliance Status: This rule is not applicable because the actual emissions from the facility are less than the applicability levels listed in the rule.

## H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

### Facility-wide Requirements - General (continued)

*The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:*

#### **40 CFR 64 (begin at 64.1) Compliance Assurance Monitoring**

Promulgated: 10-22-1997 (52 FR 54940)

Rule Description: The Compliance Assurance Monitoring (CAM) regulation applies to pollutant-specific emissions units at a major source if the unit satisfies all of the following criteria:

1. 40 CFR 64.2(a)(1)

The unit is subject to an emission limitation or standard for the applicable regulated air pollutant (or surrogate thereof), other than an emission limitation or standard that is exempt under paragraph (b)(1) of this section;

2. 40 CFR 64.2(a)(2)

The unit uses a control device to achieve compliance with any such emission limitation or standard; and

3. 40 CFR 64.2(a)(3)

The unit has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than 100 percent of the amount to be classified as a major source. For purposes of this paragraph, "potential pre-control device emissions" shall have the same meaning as "potential to emit," as defined in 40 CFR 64.1, except that emission reductions achieved by the applicable control device shall not be taken into account.

Compliance Status: 1. Other than the rocket motor test stands, none of the emission units operated by the permittee have an uncontrolled potential to emit greater than 100 percent of the amount to be classified as a major source -

|       |         |
|-------|---------|
| ROC   | 25 tpy  |
| NOx   | 25 tpy  |
| SO2   | 100 tpy |
| PM2.5 | 100 tpy |
| PM10  | 100 tpy |
| CO    | 100 tpy |

These emission units are therefore not subject to the CAM

## **H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Facility-wide Requirements - General (continued)**

requirements.

2. The rocket motor test stands do not use a control device to achieve compliance with an emission limitation or standard. They are therefore not subject to the CAM requirements.

#### **40 CFR 68 (begin at 68.1) - Chemical Accident Prevention Provisions**

Promulgated: 01-31-1994 (59 FR 4493)  
[04-09-2004 most recent amendment]

Rule Description: This regulation specifies requirements for owners or operators of stationary sources concerning the prevention of accidental chemical releases.

An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, must comply with the requirements of 40 CFR Part 68.

40 CFR 68.215 requires that the air permitting authority include in the Title V permit for a facility specified statements regarding the regulation. Those statements are included in the Federally Enforceable Requirements - General section of the permit.

Compliance Status: The permittee stores more than the designated amounts of the specified chemical substances in 40 CFR 68 and is in compliance with the requirements of the regulation.

#### **40 CFR 82 Subpart F (begin at 82.150) - Protection of Stratospheric Ozone - Recycling and Emissions Reduction**

Promulgated: 05-14-1993 (58 FR 28712)  
[08-11-2011 most recent amendment]

Rule Description: The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

This subpart applies to any person servicing, maintaining or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air

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| <b>H. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Facility-wide Requirements - General (continued)</b> |
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conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale and persons purchasing class I or class II refrigerants.

As indicated in 40 CFR 70.6, Title V permits need to assure compliance with all applicable requirements at the time of permit issuance. Part 70 defines as an applicable requirement, "Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under Title VI of the Act, unless the Administrator has determined that such requirements need not be contained in a Title V permit." [40 CFR 70.2(12)]. The applicable requirements of Title VI are included in the Federally Enforceable Requirements - General section of the permit.

Compliance Status: The permittee employs qualified contractors to maintain equipment that contains class I or class II refrigerants.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel</b> |
|---|

**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
12-06-1978 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM).

Compliance Status: The following tables illustrate (1) the SMAQMD Rule 406 emission limits for sulfur compounds (measured as SO<sub>2</sub>) and combustion contaminants (measured as PM) and (2) the expected emissions from the equipment at the facility.

The permittee's equipment complies with this rule.

**SO<sub>2</sub> Emission Concentration**

| Equipment                | SMAQMD Rule 406<br>Allowable Sulfur<br>Compounds Emissions<br><br>ppmv as SO <sub>2</sub> | Expected Sulfur<br>Compounds Emissions<br>from Subject Equipment<br><br>ppmv as SO <sub>2</sub> |
|--------------------------|---|---|
| IC engine, emergency use | 2000  | 1.03 (A)  |

(A) Calculated value based on the following:

|                                 |   |
|---------------------------------|---|
| Diesel Fuel F-Factor            | = 9190 dscf/mmBTU   |
| Molar Volume                    | = 385.3 ft <sup>3</sup> /mol                              |
| Diesel HHV                      | = 19,300 BTU/lb   |
| SO <sub>2</sub> Emission Factor | = 0.005 g/hp-hr (CARB diesel fuel with 15 ppmw S content) |
| BSFC                            | = 7000 BTU/hp-hr  |

The following calculation of SO<sub>2</sub> concentration is at 0% excess air which represents worst case.

= (0.005 g/hp-hr) x (1 lb SO<sub>2</sub>/453.6 g) x (1 hp-hr/7000 BTU) x (1E6 BTU/MMBTU) x (1 MMBTU/9190 dscf) x (1 mol SO<sub>2</sub>/64 lb SO<sub>2</sub>) x (385.3 dscf/mol exhaust)  
= 0.000001032 mol SO<sub>2</sub>/mol exhaust  
= 1.03 ppmv

**Particulate Matter Emission Concentration**

| Equipment                | SMAQMD Rule 406<br>Allowable Combustion<br>Contaminants (PM)<br>Emissions<br><br>grains/dscf at 12% CO <sub>2</sub> | Expected Combustion<br>Contaminants (PM) Emissions<br>from Subject Equipment<br><br>grains/dscf at 12% CO <sub>2</sub> |
|--------------------------|---|--|
| IC engine, emergency use | 0.1   | 0.028 (A)  |



**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel**  
**(continued)**

(A) Calculated value based on the following:

|                      |   |                            |
|----------------------|---|----------------------------|
| Diesel Fuel F-Factor | = | 9190 dscf/mmBTU            |
| Molar Volume         | = | 385.3 ft <sup>3</sup> /mol |
| Diesel HHV           | = | 19,300 BTU/lb              |
| Conversion Factor    | = | 15.432 gr/g                |
| PM10 Emission Factor | = | 0.15 g/hp-hr               |
| BSFC                 | = | 7000 BTU/hp-hr             |
| Weight % C in Diesel | = | 87% or 0.87 lb C/lb fuel   |

1. Calculate uncorrected grain loading  
= (0.15 g/hp-hr) x (15.432 gr/g) x (1 hp-hr/7000 BTU) x (1E6 BTU/MMBTU) x (1 MMBTU/9190 dscf)  
= 0.036 gr/dscf
2. Calculate CO<sub>2</sub> emission factor (lb CO<sub>2</sub>/MMBTU) assuming 100% C to CO<sub>2</sub> conversion  
= (0.87 lb C/lb fuel) x (1 mol C/12 lb C) x (1 mol CO<sub>2</sub>/1 mol C) x (44 lb CO<sub>2</sub>/mol CO<sub>2</sub>) x (1 lb fuel/19300 BTU) x (1E6 BTU/MMBTU)  
= 165.28 lb CO<sub>2</sub>/MMBTU
3. Calculate lb CO<sub>2</sub>/MMBTU at 99% Conversion of C to CO<sub>2</sub>  
= 165.28 lb CO<sub>2</sub>/MMBTU x 99%  
= 163.63 lb CO<sub>2</sub>/MMBTU
4. Calculate volume % of CO<sub>2</sub> in Exhaust Gas  
= mol CO<sub>2</sub>/mol exhaust  
= (163.63 lb CO<sub>2</sub>/MMBTU) x (mol CO<sub>2</sub>/44 lb CO<sub>2</sub>) x (MMBTU/9190 dscf) x (385.3 dscf/mol exhaust)  
= 0.156 mol CO<sub>2</sub>/mol exhaust or 15.6% CO<sub>2</sub>
5. Calculate corrected grain loading  
= (0.036 gr/dscf) x (12% CO<sub>2</sub>/15.6% CO<sub>2</sub>)  
= 0.028 gr/dscf corrected to 12% CO<sub>2</sub>

**SMAQMD Rule 412 - Stationary IC Engines Located at Major Stationary Sources of NO<sub>x</sub>**

SIP Approved: 04-30-1996 (61 FR 18959)  
06-01-1995 rule version is SIP approved

Rule Description: This rule regulates NO<sub>x</sub>, CO and ROC emissions from the operation of stationary IC engines located at major stationary sources of NO<sub>x</sub>. However, emergency use IC engines are only required to install a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records.

Compliance Status: The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel**  
**(continued)**

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

| Equipment                   | Fuel        | SMAQMD Rule 420 Allowable<br>Sulfur Content of Fuel | Expected Sulfur<br>Content of Fuel Used |
|-----------------------------|-------------|---|---|
|                             |             | % S by weight                                       | % S by weight                           |
| IC engine,<br>emergency use | CARB diesel | 0.5   | 0.0015                                  |

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate for the IC engine limits emission concentrations, limits mass emissions, requires emission offsets be provided and requires recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

| PO No.                           | Permit conditions that are <u>not</u> federally enforceable   |
|----------------------------------|---|
| 10294 10426 18758<br>10423 14748 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel</b><br/><b>(continued)</b></p> |
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*The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:*

**40 CFR 60 Subpart IIII (begin at 60.4200) – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines:**

Promulgated: 07-11-2006 (69 FR 33473)

Rule Description: This federal regulation limits the emissions from new Reciprocating Internal Combustion Engines (RICE.)

Compliance Status: The IC engines are not subject to this rule because they commenced construction before the applicability date of April 1, 2006.

**40 CFR 63 Subpart ZZZZ (begin at 63.6580) - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE):**

Promulgated: 06-15-2004 (69 FR 33473)

Rule Description: This federal regulation limits the emission of HAP from stationary Reciprocating Internal Combustion Engines (RICE) located at major and area sources of HAP.

Compliance Status: The subpart ZZZZ requirements are applicable to various categories of IC engines. The permittee's IC engines were installed before June 12, 2006 and therefore are "existing" IC engines as defined in Subpart ZZZZ. The IC engines are all categorized as existing IC engines, emergency use, compression ignition, located at a major source of HAP and less than 500 hp.

Subpart ZZZZ requirements -

Category: IC engine, emergency use, existing, compression ignition, ≤ 500 hp, located at a major HAP source  
[40 CFR 63.6602 and Table 2c]  
[40 CFR 63.6625]

1. This source must be in compliance by May 3, 2013.
2. This source is required to perform the following maintenance:
  - a. Change their oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and

## **I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Equipment Specific Requirements**

#### **Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel (continued)**

- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
3. They have an option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis program must analyze the parameters and keep records as required in 40 CFR 63.6625(i).
4. During periods of startup, they must minimize the IC engine idle at startup time not to exceed 30 minutes.
5. The IC engine must be operated and maintained according to the manufacturer's instructions or in accordance with a maintenance plan developed by the source which provides for maintenance and operation consistent with good air pollution control practices.
6. Emergency use IC engines must install a non-resettable hour meter
7. This source must keep records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.
8. Records of actions taken during periods of malfunction to minimize emissions must be kept including corrective action taken.
9. They must keep records of maintenance conducted.
10. If the emergency use IC engine doesn't meet the same emission standards as those applicable to non-emergency engines, the source must keep records of the hours spent for emergency operation, what classified the operation as emergency, and how many hours are spent for non-emergency operation.
11. All records must be in a form suitable to and readily available for expeditious review and kept for five years

***The Subpart ZZZZ requirements are future effective requirements with a compliance date of May 3, 2013. This will be noted in the Title V Federal Operating Permit conditions.***

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 1 - IC Engine, Emergency Use/Generator Set, ≤ 500 hp, Diesel Fuel**  
**(continued)**

**Streamlining Multiple Applicable Requirements:**

A. Sulfur Content of Fuel

| Basis of Requirement   | Applicable Requirements<br>% S by weight |
|--|--|
| SMAQMD Rule No. 420 – Sulfur Content of Fuels  | ≤ 0.5%                                   |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review | ≤ 0.0015%                                |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The most stringent requirements are the permit conditions based on SMAQMD Rule Nos. 201 and 202, which will be included in the Title V permit.

B. Hour Meter

| Basis of Requirement   | Applicable Requirements  |
|--|--|
| SMAQMD Rule No. 412 – Stationary IC Engines Located at Major Stationary Sources of NO <sub>x</sub> | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review         | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The permit conditions based on SMAQMD Rule Nos. 201 and 202 are as stringent as the SMAQMD Rule 412 requirements and will be included in the Title V permit.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 2 - IC Engine, Emergency Use/Generator Set, &gt; 500 hp, Diesel Fuel</b></p> |
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**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
*12-06-1978 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM).

Compliance Status: See the tables in Section I.1 that illustrate (1) the SMAQMD Rule 406 emission limits for sulfur compounds (measured as SO<sub>2</sub>) and combustion contaminants (measured as PM) and (2) the expected emissions from the equipment at the facility.

The permittee's equipment complies with this rule.

**SMAQMD Rule 412 - Stationary IC Engines Located at Major Stationary Sources of NO<sub>x</sub>**

SIP Approved: 04-30-1996 (61 FR 18959)  
*06-01-1995 rule version is SIP approved*

Rule Description: This rule regulates NO<sub>x</sub>, CO and ROC emissions from the operation of stationary IC engines located at major stationary sources of NO<sub>x</sub>. However, emergency use IC engines are only required to install a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records.

Compliance Status: The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
*08-13-1981 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 2 - IC Engine, Emergency Use/Generator Set, > 500 hp, Diesel Fuel**  
**(continued)**

The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

| Equipment                   | Fuel           | SMAQMD Rule 420<br>Allowable Sulfur Content of<br>Fuel<br><br>% S by weight | Expected Sulfur<br>Content of Fuel Used<br><br>% S by weight |
|-----------------------------|----------------|---|--|
| IC engine,<br>emergency use | CARB<br>diesel | 0.5   | 0.0015   |

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate for the IC engine limits emission concentrations, limits mass emissions, requires emission offsets be provided and requires recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

| PO No.                  | Permit conditions that are <u>not</u> federally enforceable   |
|-------------------------|---|
| 10422<br>21136<br>21619 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 60 Subpart IIII (begin at 60.4200) – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines:**

Promulgated: 07-11-2006 (69 FR 33473)

Rule Description: This federal regulation limits the emissions from new Reciprocating

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 2 - IC Engine, Emergency Use/Generator Set, &gt; 500 hp, Diesel Fuel</b><br/><b>(continued)</b></p> |
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Internal Combustion Engines (RICE.)

Compliance Status: The IC engines are not subject to this rule because they commenced construction before the applicability date of April 1, 2006.

**The following federal regulation is not applicable to this equipment but it is discussed here to document the non-applicability determination for the record:**

**40 CFR 63 Subpart ZZZZ (begin at 63.6580) - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE):**

Promulgated: 06-15-2004 (69 FR 33473)

Rule Description: This federal regulation limits the emission of HAP from stationary Reciprocating Internal Combustion Engines (RICE) located at major and area sources of HAP.

Compliance Status: 1. PO 21619  
The IC engine under PO No. 21619 is portable (i.e. mobile not stationary) and is therefore not subject to Subpart ZZZZ by the definition of a stationary RICE in 40 CFR 63.6675 -

*Stationary reciprocating internal combustion engine (RICE) means any reciprocating internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.*

2. PO 10422 and 21136  
The subpart ZZZZ requirements are applicable to various categories of IC engines. These IC engines were installed before December 19, 2002 and therefore are "existing" IC engines as defined in Subpart ZZZZ. They are all categorized as existing IC engines, emergency use, compression ignition, located at a major source of HAP and greater than 500 hp.

Subpart ZZZZ requirements -

Category: IC engine, emergency use, existing, compression ignition, > 500 hp, located at a major HAP source:  
[40 CFR 63.6600(c)]

1. The IC engines in this category do not have to comply with any



**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 2 - IC Engine, Emergency Use/Generator Set, > 500 hp, Diesel Fuel**  
**(continued)**

requirements of Subpart ZZZZ.

**Streamlining Multiple Applicable Requirements:**

A. Sulfur Content of Fuel

| Basis of Requirement   | Applicable Requirements<br>% S by weight |
|--|--|
| SMAQMD Rule No. 420 – Sulfur Content of Fuels  | ≤ 0.5%                                   |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review | ≤ 0.0015%                                |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The most stringent requirements are the permit conditions based on SMAQMD Rule Nos. 201 and 202, which will be included in the Title V permit.

B. Hour Meter

| Basis of Requirement   | Applicable Requirements  |
|--|--|
| SMAQMD Rule No. 412 – Stationary IC Engines Located at Major Stationary Sources of NOx     | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The permit conditions based on SMAQMD Rule Nos. 201 and 202 are as stringent as the SMAQMD Rule 412 requirements and will be included in the Title V permit.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 3 - IC Engine, Emergency Use/Fire Pump, Diesel Fuel</b> |
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**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
12-06-1978 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM).

Compliance Status: See the tables in Section I.1 that illustrate (1) the SMAQMD Rule 406 emission limits for sulfur compounds (measured as SO<sub>2</sub>) and combustion contaminants (measured as PM) and (2) the expected emissions from the equipment at the facility.

The permittee's equipment complies with this rule.

**SMAQMD Rule 412 - Stationary IC Engines Located at Major Stationary Sources of NO<sub>x</sub>**

SIP Approved: 04-30-1996 (61 FR 18959)  
06-01-1995 rule version is SIP approved

Rule Description: This rule regulates NO<sub>x</sub>, CO and ROC emissions from the operation of stationary IC engines located at major stationary sources of NO<sub>x</sub>. However, emergency use IC engines are only required to install a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records.

Compliance Status: The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.  
The permittee's equipment complies with this rule.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 3 - IC Engine, Emergency Use/Fire Pump, Diesel Fuel (continued)**

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

| Equipment                | Fuel        | SMAQMD Rule 420 Allowable Sulfur Content of Fuel | Expected Sulfur Content of Fuel Used |
|--------------------------|-------------|--|--------------------------------------|
|                          |             | % S by weight                                    | % S by weight                        |
| IC engine, emergency use | CARB diesel | 0.5  | 0.0015                               |

**Permit Conditions on SMAQMD Rule 201 Permits to Operate:**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate for the IC engine limits emission concentrations, limits mass emissions, requires emission offsets be provided and requires recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

| PO No. |       |       | Permit conditions that are <u>not</u> federally enforceable   |
|--------|-------|-------|---|
| 10408  | 10438 | 10443 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |
| 10434  | 10439 | 10444 |   |
| 10435  | 10440 | 10445 |   |
| 10436  | 10441 | 10446 |   |
| 10437  | 10442 |       |   |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 60 Subpart IIII (begin at 60.4200) – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines:**

Promulgated: 07-11-2006 (69 FR 33473)

Rule Description: This federal regulation limits the emissions from new Reciprocating Internal Combustion Engines (RICE.)

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 3 - IC Engine, Emergency Use/Fire Pump, Diesel Fuel (continued)</b></p> |
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Compliance Status: The IC engines are not subject to this rule because they commenced construction before the applicability date of April 1, 2006.

**40 CFR 63 Subpart ZZZZ (begin at 63.6580) - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE):**

Promulgated: 06-15-2004 (69 FR 33473)

Rule Description: This federal regulation limits the emission of HAP from stationary Reciprocating Internal Combustion Engines (RICE) located at major and area sources of HAP.

Compliance Status: The subpart ZZZZ requirements are applicable to various categories of IC engines. The subject IC engines were installed before June 12, 2006 and therefore are "existing" IC engines as defined in Subpart ZZZZ. The IC engines are all categorized as existing IC engines, emergency use, compression ignition, located at a major source of HAP and less than 500 hp.

Subpart ZZZZ requirements -

Category: IC engine, emergency use, existing, compression ignition,  
≤ 500 hp, located at a major HAP source  
[40 CFR 63.6602 and Table 2c]  
[40 CFR 63.6625]

1. This source must be in compliance by May 3, 2013.
2. This source is required to perform the following maintenance:
  - a. Change their oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
3. They have an option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis program must analyze the parameters and keep records as required in 40 CFR 63.6625(i).
4. During periods of startup, they must minimize the IC engine idle at startup time not to exceed 30 minutes.
5. The IC engine must be operated and maintained according to the manufacturer's instructions or in accordance with a maintenance

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 3 - IC Engine, Emergency Use/Fire Pump, Diesel Fuel (continued)**

plan developed by the source which provides for maintenance and operation consistent with good air pollution control practices.

6. Emergency use IC engines must install a non-resettable hour meter.
7. This source must keep records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or air pollution control and monitoring equipment).
8. Records of actions taken during periods of malfunction to minimize emissions must be kept including corrective action taken.
9. They must keep records of maintenance conducted.
10. If the emergency use IC engine doesn't meet the same emission standards as those applicable to non-emergency engines, the source must keep records of the hours spent for emergency operation, what classified the operation as emergency, and how many hours are spent for non-emergency operation.
11. All records must be in a form suitable to and readily available for expeditious review and kept for five years

***The Subpart ZZZZ requirements are future effective requirements with a compliance date of May 3, 2013. This will be noted in the Title V Federal Operating Permit conditions.***

**Streamlining Multiple Applicable Requirements:**

A. Sulfur Content of Fuel

| Basis of Requirement   | Applicable Requirements<br>% S by weight |
|--|--|
| SMAQMD Rule No. 420 – Sulfur Content of Fuels  | ≤ 0.5%                                   |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review | ≤ 0.0015%                                |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The most stringent requirements are the permit conditions based on SMAQMD Rule Nos. 201 and 202,

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 3 - IC Engine, Emergency Use/Fire Pump, Diesel Fuel (continued)</b> |
|---|

which will be included in the Title V permit.

B. Hour Meter

| Basis of Requirement   | Applicable Requirements  |
|--|--|
| SMAQMD Rule No. 412 – Stationary IC Engines Located at Major Stationary Sources of NOx     | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |
| SMAQMD Rule No. 201 permit conditions based on:<br>SMAQMD Rule No. 202 – New Source Review | Operate a non-resetting totalizing hour meter (or computerized tracking) and maintain operation records. |

Pursuant to U.S. EPA's *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*, the above applicable requirements will be streamlined. The permit conditions based on SMAQMD Rule Nos. 201 and 202 are as stringent as the SMAQMD Rule 412 requirements and will be included in the Title V permit.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 4 - IC Engine, Emergency Use/Generator Set, Propane</b></p> |
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**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
12-06-1978 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM).

Compliance Status: The permittee's equipment complies with this rule. The fuel has a sulfur content of less than 254 ppmvd thus SO<sub>2</sub> emissions are expected to be well below the 2000 ppmv limit set by this rule. This IC engine is fueled with propane thus PM concentration is expected to be well below the 0.1 grains/dscf at 12% CO<sub>2</sub> limit of this rule.

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 412 - Stationary IC Engines Located at Major Stationary Sources of NO<sub>x</sub>**

SIP Approved: 04-30-1996 (61 FR 18959)  
06-01-1995 rule version is SIP approved

Rule Description: This rule regulates ROC, NO<sub>x</sub> and CO emissions from the operation of stationary IC engines located at major stationary sources of NO<sub>x</sub>.

Compliance Status: This engine is portable, thus not subject to this rule.

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

The permittee's equipment complies with this rule.

(See discussion of streamlining of multiple applicable requirements at the end of this section.)

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 4 - IC Engine, Emergency Use/Generator Set, Propane (continued)**

| Equipment                | Fuel    | SMAQMD Rule 420 Maximum Allowable Sulfur Content of Fuel<br>g/m3 | Expected Sulfur Content of Fuel Used (A)<br>g/m3 |
|--------------------------|---------|--|--|
| IC engine, emergency use | Propane | 1.14   | 0.33   |

(A) Commercial propane has a maximum sulfur concentration of 239 ppmv as H<sub>2</sub>S, therefore the maximum sulfur concentration as H<sub>2</sub>S is:  
= [(239 ppmv)(12.187 mol/ppmv/m<sup>3</sup>/°C)(34.08 g/mol)/(273.15 + 25 °C)] /1000  
= 0.33 grams/m<sup>3</sup>

**Permit Conditions on SMAQMD Rule 201 Permit to Operate:**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate for the IC engine limit emission concentrations, limit mass emissions and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable   |
|--------|---|
| 10424  | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 60 Subpart JJJJ (begin at 60.4230) – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines:**

Promulgated: 01-18-2008 (73 FR 3591)

Rule Description: This federal regulation limits the emissions from new Reciprocating Internal Combustion Engines (RICE.)

Compliance Status: The IC engine is not subject to this rule because it commenced construction before the applicability date of January 1, 2009.



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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 4 - IC Engine, Emergency Use/Generator Set, Propane (continued)</b></p> |
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**40 CFR 63 Subpart ZZZZ (begin at 63.6580) - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE):**

Promulgated: 06-15-2004 (69 FR 33473)

Rule Description: This federal regulation limits the emission of HAP from stationary Reciprocating Internal Combustion Engines (RICE) located at major and area sources of HAP.

Compliance Status: The subpart ZZZZ requirements are applicable to various categories of IC engines. The IC engine was installed before June 12, 2006 and therefore is an "existing" IC engine as defined in Subpart ZZZZ. The IC engine is categorized as an existing IC engine, emergency use, spark ignited, located at a major source of HAP and less than 500 hp.

Subpart ZZZZ requirements -

Category: IC engine, emergency use, existing, spark ignited,  $\leq$  500 hp,  
located at a major HAP source  
[40 CFR 63.6602 and Table 2c]  
[40 CFR 63.6625]

1. This source must be in compliance by October 19, 2013.
2. This source is required to perform the following maintenance:
  - a. Change their oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
3. They have an option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis program must analyze the parameters and keep records as required in 40 CFR 63.6625(i).
4. During periods of startup, they must minimize the IC engine idle at startup time not to exceed 30 minutes.
5. The IC engine must be operated and maintained according to the manufacturer's instructions or in accordance with a maintenance plan developed by the source which provides for maintenance and operation consistent with good air pollution control practices.
6. Emergency use IC engines must install a non-resettable hour meter.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 4 - IC Engine, Emergency Use/Generator Set, Propane (continued)</b></p> |
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7. This source must keep records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or air pollution control and monitoring equipment.
8. Records of actions taken during periods of malfunction to minimize emissions must be kept including corrective action taken.
9. They must keep records of maintenance conducted.
10. If the emergency use IC engine doesn't meet the same emission standards as those applicable to non-emergency engines, the source must keep records of the hours spent for emergency operation, what classified the operation as emergency, and how many hours are spent for non-emergency operation.
11. All records must be in a form suitable to and readily available for expeditious review and kept for five years

***The Subpart ZZZZ requirements are future effective requirements with a compliance date of October 19, 2013. This will be noted in the Title V Federal Operating Permit conditions.***

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 5 - Boiler, Small (Heat Input &lt; 5 MMBTU/hour)</b></p> |
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**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
12-06-1978 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO<sub>2</sub> by volume and 0.1 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

Compliance Status: In compliance. The boilers are fired on gaseous fuels only and are expected to emit less than 0.001% SO<sub>2</sub> by volume and less than 0.02 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

**SMAQMD Rule 411 – NO<sub>x</sub> from Boilers, Process Heaters and Steam Generators**

SIP Approved: 08-01-2007 (72 FR 41894)  
[10-27-2005 amended version]

Rule Description: This rule limits NO<sub>x</sub> and CO emissions from boilers, steam generator and process heaters with heat input ratings of 1 MMBTU/hour or greater. It limits the emission concentration of NO<sub>x</sub> to 30 ppm at 3% O<sub>2</sub> and the emission of CO to 400 ppm at 3% O<sub>2</sub> for boilers < 5 MMBTU/hr. Existing boilers can take a fuel restriction in lieu of complying with the emissions limitation.

Compliance Status: The permittee complies with the rule requirements by either meeting the emission standards or by limiting fuel usage, depending on the boiler.

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 5 - Boiler, Small (Heat Input < 5 MMBTU/hour) (continued)**

| Equipment | Fuel        | SMAQMD Rule 420<br>Allowable Sulfur Content of<br>Fuel | Expected Sulfur<br>Content of Fuel<br>Used(A) |
|-----------|-------------|--|---|
| Boilers   | Propane     | 1.14 g/m3  | 0.33 g/m3                                     |
| Boilers   | Natural Gas | 50 grains H2S/100ft3                                   | <0.5 grains H2S/100ft3                        |

(A) Commercial propane has a maximum sulfur concentration of 239 ppmv as H2S, thus the maximum concentration in grams/m3 as H2S is:

$$\text{g/m}^3 = [(239 \text{ ppmv})(12.187)(34.08 \text{ g/mol})/(273.15+25 \text{ }^\circ\text{C})]/1000 = 0.33$$

**40 CFR 63 Subpart DDDDD (begin at 63.7480) - NESHAP for Industrial, Commercial and Institutional Boilers - Major Sources:**

Rule Description: This rule limits the amount of HAPs that may be released from all new (built after 06-04-2010) and existing industrial, commercial and institutional boilers and process heaters that are located at facilities considered to be major sources of HAP.

Rule Status: The rule was originally promulgated 09-13-2004 but immediately faced legal challenges that delayed the rule. The following is the most recent action on the rule.

02-21-2011 U.S. EPA finalized the revised rule.

05-18-2011 U.S. EPA published a notice delaying the effective date of the boiler major source rule (The Boiler MACT) until the completion of the recently announced reconsideration or the completion of litigation on the rule, whichever is earlier.

12-23-2011 U.S. EPA published the Boiler MACT reconsideration proposal (40 CFR 63, subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters).

01-09-2012 The U.S. District Court for the DC Circuit vacated the U.S. EPA's May 18, 2011 notice that delayed the effective dates of the Boiler MACT rule.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 5 - Boiler, Small (Heat Input &lt; 5 MMBTU/hour) (continued)</b></p> |
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02-07-2012 U.S. EPA issued a No Action Assurance Letter to establish that they will exercise their enforcement discretion to not pursue enforcement action for violations of certain notification deadlines in the final Major Source Boiler rule. U.S. EPA intends to issue the final reconsideration rule prior to any of the compliance dates for existing sources.

The permittee only has existing boilers at their facility. This makes the compliance date 3 years after the most recent promulgated rule which would be 02-21-2014.

At this time it is not known whether the reconsideration proposal, published 12-23-2011, will change the compliance dates.

Compliance Status: The final requirements of the NESHAP reconsideration proposal are unknown. No requirements related to the NESHAP will be placed in the Title V permit at this time.

When the NESHAP reconsideration proposal becomes final the Title V permit will be reopened and the necessary requirements will be added.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 5 - Boiler, Small (Heat Input < 5 MMBTU/hour) (continued)**

**Permit Conditions on SMAQMD Rule 201 Permits to Operate:**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

| PO No.   | Permit conditions that are <u>not</u> federally enforceable  |
|--|--|
| 12918      19750      21000<br>14603      19752      21080<br>19729      20313      21081<br>19731      20384      21082<br>19732      20438      21083<br>19738      20439      21084<br>19739      20440      21141<br>19740      20441      21142<br>19741      20443      21143<br>19742      20600      21144<br>19743      20869      21147<br>19747      20870      21203<br>19748      20872<br>19749      20873 | Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.   |
| 19733<br>19735<br>19737<br>21145<br>21146  | Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.<br><br>These boilers were originally permitted to allow natural gas or propane as primary fuels (PO Nos. 10322, 10306, 10333, 10318 and 10302). This condition was accidentally removed when the permits were revised to comply with Rule 411 by installing Low-NOx burners. A condition allowing the use of propane will be added back to these permits. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 6 - Boiler, Large (Heat Input <math>\geq</math> 5 MMBTU/hr)</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
04-19-1983 rule version is SIP approved

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: All boilers are in compliance with the visible emission requirement.

**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
12-06-1978 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO<sub>2</sub> by volume and 0.1 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

Compliance Status: In compliance. The boilers are fired on gaseous fuels only and are expected to emit less than 0.001% SO<sub>2</sub> by volume and less than 0.02 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

**SMAQMD Rule 411 – NO<sub>x</sub> from Boilers, Process Heaters and Steam Generators**

SIP Approved: 08-01-2007 (72 FR 41894)  
[10-27-2005 amended version]

Rule Description: This rule limits NO<sub>x</sub> and CO emissions from boilers, steam generator and process heaters with heat input ratings of 1 MMBTU/hour or greater. It limits the emission concentration as described in the table below.

| Boiler Size<br>(MMBTU/hr) | NO <sub>x</sub><br>ppmv at 3% O <sub>2</sub> | CO<br>ppmv at 3% O <sub>2</sub> | or limit fuel usage<br>therms/year |
|---------------------------|--|---------------------------------|------------------------------------|
| $\geq 5$ and $< 20$       | 15   | 400                             | 200,000                            |
| $\geq 20$ and $< 100$     | 9  | 400                             | 200,000                            |
| $\geq 100$                | 9  | 400                             | 300,000                            |

Compliance Status: The permittee complies with the rule requirements by either meeting the emission standards or by limiting fuel usage, depending on the boiler.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 6 - Boiler, Large (Heat Input  $\geq$  5 MMBTU/hr) (continued)**

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

| Equipment | Fuel        | SMAQMD Rule 420 Allowable Sulfur Content of Fuel | Expected Sulfur Content of Fuel Used(A)         |
|-----------|-------------|--|---|
| Boiler    | Propane     | 1.14 g/m <sup>3</sup>                            | 0.33 g/m <sup>3</sup>                           |
| Boiler    | Natural Gas | 50 grains H <sub>2</sub> S/100ft <sup>3</sup>    | <0.5 grains H <sub>2</sub> S/100ft <sup>3</sup> |

(A) Commercial propane has a maximum sulfur concentration of 239 ppmv as H<sub>2</sub>S, thus the maximum concentration in grams/m<sup>3</sup> as H<sub>2</sub>S is:  

$$\text{g/m}^3 = [(239 \text{ ppmv})(12.187)(34.08 \text{ g/mol})/(273.15+25 \text{ }^\circ\text{C})]/1000 = 0.33$$

**40 CFR 63 Subpart DDDDD (begin at 63.7480) - NESHAP for Industrial, Commercial and Institutional Boilers:**

Rule Description: This rule limits the amount of HAPs that may be released from all new (built after 06-04-2010) and existing industrial, commercial and institutional boilers and process heaters that are located at facilities considered to be major sources of HAP.

Rule Status: The rule was originally promulgated 09-13-2004 but immediately faced legal challenges that delayed the rule. The following is the most recent action on the rule.

02-21-2011 U.S. EPA finalized the revised rule.

05-18-2011 U.S. EPA published a notice delaying the effective date of the boiler major source rule (The Boiler MACT) until the completion of the recently announced reconsideration or the completion of litigation on the rule, whichever is earlier.



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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 6 - Boiler, Large (Heat Input <math>\geq</math> 5 MMBTU/hr) (continued)</b></p> |
|--|

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|------------|---|
| 12-23-2011 | U.S. EPA published the Boiler MACT reconsideration proposal (40 CFR 63, subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters).  |
| 01-09-2012 | The U.S. District Court for the DC Circuit vacated the U.S. EPA's May 18, 2011 notice that delayed the effective dates of the Boiler MACT rule.   |
| 02-07-2012 | U.S. EPA issued a No Action Assurance Letter to establish that they will exercise their enforcement discretion to not pursue enforcement action for violations of certain notification deadlines in the final Major Source Boiler rule. U.S. EPA intends to issue the final reconsideration rule prior to any of the compliance dates for existing sources. |

The permittee only has existing boilers making the compliance date 3 years after the most recent promulgated rule which will be 02-21-2014.

At this time it is not known whether the reconsideration proposal, published 12-23-2011, will change the compliance dates.

Compliance Status: The final requirements of the NESHAP reconsideration proposal are unknown. No requirements related to the NESHAP will be placed in the Title V permit at this time.

When the NESHAP reconsideration proposal becomes final the Title V permit will be reopened and the necessary requirements will be added.

**Permit Conditions on SMAQMD Rule 201 Permits to Operate:**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permits that are not applicable federally enforceable requirements.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 6 - Boiler, Large (Heat Input  $\geq$  5 MMBTU/hr) (continued)**

| PO No.  | Permit conditions that are <u>not</u> federally enforceable  |
|---|--|
| 21605<br>12369<br>12370                                     | Conditions No. 1, and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.   |
| 14064<br>14611<br>19744<br>19745<br>19751<br>20601<br>20602 | Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.   |
| 20442<br>21605  | <p>Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.</p> <p>These boilers were originally permitted to allow natural gas or propane fuels (POs No. 10311 and 10325). This condition was accidentally removed when the permits were revised to comply with Rule 411 by installing Low-NOx burners. A condition allowing the use of propane as backup fuel will be added back to these permits.</p> |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 7 - Space Heaters</b> |
|---|

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The space heaters are in compliance with the visible emission requirement.

**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
*12-06-1978 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO<sub>2</sub> by volume and 0.1 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

Compliance Status: In compliance. The space heaters are fired on natural gas and are expected to emit less than 0.001% SO<sub>2</sub> by volume and less than 0.02 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
*08-13-1981 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds from the combustion of fuels by limiting the sulfur content of the fuel.

Compliance Status: The following table illustrates the SMAQMD Rule 420 sulfur limits for gaseous and liquid fuels and the expected sulfur content of the gaseous and liquid fuels combusted in equipment at the facility.

| Fuel        | SMAQMD Rule 420<br>Allowable Sulfur Content of<br>Fuel | Expected Sulfur<br>Content of Fuel Used  |
|-------------|--|--|
| Natural Gas | 50 grains H <sub>2</sub> S/100ft <sup>3</sup>          | <0.5 H <sub>2</sub> S/100ft <sup>3</sup> |

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 7 - Space Heaters (continued)</b> |
|---|

**Permit Conditions on SMAQMD Rule 201 Permits to Operate:**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.         | Permit conditions that are <u>not</u> federally enforceable  |
|----------------|--|
| 12127<br>13660 | Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 8 - Rocket Motor Testing - Liquid Fuels</b></p> |
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**SMAQMD Rule 203 – Prevention of Significant Deterioration (40 CFR §52.21)**

Rule Description: This rule requires compliance with the provisions of 40 CFR 52.21.

Compliance Status: The affected source, Test Stand E-5, has demonstrated compliance with the requirements of this regulation.

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The rocket motor tests are never more than 3 minutes in duration and they are never less than 1 hour apart. Therefore, the permittee complies with this regulation.

Visible emissions from the associated oxidizer flares are less than 20% opacity

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
*12-06-1978 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO<sub>2</sub> by volume and 0.1 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

Compliance Status: This requirement was not intended for unconfined emissions. Particulate emissions from the rocket motor testing are created right before the gases exit the rocket thus there is no stack for sampling. The high temperature and flow also make it impossible to verify compliance with this rule. Therefore, rocket motor testing shall be treated as a fugitive source and as such, not subject to this rule.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 8 - Rocket Motor Testing - Liquid Fuels (continued)</b> |
|---|

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: 12-05-1984 (49 FR 47490)  
08-13-1981 rule version is SIP approved

Rule Description: This rule regulates emissions of sulfur compounds from combustion of fuels.

Compliance Status: Rocket motor fuels meet the requirements of this rule.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 63 Subpart P National Emission Standards for Hazardous Air Pollutants: Engine Test Cells/Stands (begin at 63.9280)**

Promulgated: 05-27-2003 (68 FR 28774)

Rule Description: This NESHAP establishes national emission standards for hazardous air pollutants for engine test cells/stands located at major sources of hazardous air pollutants (HAP) emissions.

Compliance Status: 40 CFR 63.9290(d)(2) exempts "any portion of the affected source used exclusively for testing rocket engines" from all requirements of the NESHAP

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.        | Permit conditions that are <u>not</u> federally enforceable   |
|---------------|---|
| 8534<br>12164 | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 9 - Rocket Motor Testing - Solid Fuels</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

|                           |   |
|---------------------------|---|
| <u>SIP Approved:</u>      | 02-01-1984 (49 FR 3987)<br><i>04-19-1983 rule version is SIP approved</i>   |
| <u>Rule Description:</u>  | This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.   |
| <u>Compliance Status:</u> | The rocket motor tests are never more than 3 minutes in duration and they are never less than 1 hour apart. Therefore, the permittee complies with this regulation. |

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 406 - Specific Contaminants**

|                           |   |
|---------------------------|---|
| <u>SIP Approved:</u>      | 12-05-1984 (49 FR 47490)<br><i>12-06-1978 rule version is SIP approved</i>  |
| <u>Rule Description:</u>  | This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO <sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO <sub>2</sub> by volume and 0.1 grains PM/ft <sup>3</sup> at 12% CO <sub>2</sub> .  |
| <u>Compliance Status:</u> | This requirement was not intended for unconfined emissions. Particulate emissions from the rocket testing are created right before the gases exit the rocket thus there is no stack for sampling. The high temperature and flow also make it impossible to verify compliance with this rule. Therefore, rocket testing shall be treated as a fugitive source and as such, not subject to this rule. |

**SMAQMD Rule 420 - Sulfur Content of Fuels**

|                           |   |
|---------------------------|---|
| <u>SIP Approved:</u>      | 12-05-1984 (49 FR 47490)<br><i>08-13-1981 rule version is SIP approved</i>  |
| <u>Rule Description:</u>  | This rule regulates emissions of sulfur compounds from combustion of fuels. |
| <u>Compliance Status:</u> | Rocket motor fuels meet the requirements of this rule.                      |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 9 - Rocket Motor Testing - Solid Fuels (continued)**

*The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:*

**40 CFR 63 Subpart P National Emission Standards for Hazardous Air Pollutants: Engine Test Cells/Stands (begin at 63.9280)**

Promulgated: 05-27-2003 (68 FR 28774)

Rule Description: This NESHAP establishes national emission standards for hazardous air pollutants for engine test cells/stands located at major sources of hazardous air pollutants (HAP) emissions.

Compliance Status: 40 CFR 63.9290(d)(2) exempts "any portion of the affected source used exclusively for testing rocket engines" from all requirements of the NESHAP

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                  | Permit conditions that are <u>not</u> federally enforceable   |
|-------------------------|---|
| 66, 68                  | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.       |
| 71                      | Condition No. 1 - This is an administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.             |
| 18853<br>18859<br>20703 | Condition Nos. 1, 2, 3 and 4 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.



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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 10 - Rocket Motor Testing - Liquid and Solid Fuels</b></p> |
|---|

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The rocket motor tests are never more than 3 minutes in duration and they are never less than 1 hour apart. Therefore, the permittee complies with this regulation.

Visible emissions from the associated oxidizer and fuel flares are less than 20% opacity.

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 406 - Specific Contaminants**

SIP Approved: 12-05-1984 (49 FR 47490)  
*12-06-1978 rule version is SIP approved*

Rule Description: This rule regulates emissions of sulfur compounds and combustion contaminants by limiting emission concentrations of SO<sub>2</sub> and particulate matter (PM). The rule's emission limits are 0.2% SO<sub>2</sub> by volume and 0.1 grains PM/ft<sup>3</sup> at 12% CO<sub>2</sub>.

Compliance Status: This requirement was not intended for unconfined emissions. Particulate emissions from the rocket testing are created right before the gases exit the rocket thus there is no stack for sampling. The high temperature and flow also make it impossible to verify compliance with this rule. Therefore, rocket testing shall be treated as a fugitive source and as such, not subject to this rule.

**SMAQMD Rule 420 - Sulfur Content of Fuels**

SIP Approved: On 12/05/84 (49 FR 47490):

Rule Description: This rule regulates emissions of sulfur compounds from combustion of fuels.

Compliance Status: Rocket motor fuels meet the requirements of this rule.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 10 - Rocket Motor Testing - Liquid and Solid Fuels (continued)</b> |
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*The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:*

**40 CFR 63 Subpart P National Emission Standards for Hazardous Air Pollutants: Engine Test Cells/Stands (begin at 63.9280)**

Promulgated: 05-27-2003 (68 FR 28774)

Rule Description: This NESHAP establishes national emission standards for hazardous air pollutants for engine test cells/stands located at major sources of hazardous air pollutants (HAP) emissions.

Compliance Status: 40 CFR 63.9290(d)(2) exempts "any portion of the affected source used exclusively for testing rocket engines" from all requirements of the NESHAP

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                       | Permit conditions that are <u>not</u> federally enforceable  |
|------------------------------|--|
| 8633<br>8641<br>9284<br>9328 | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.    |
| 21015<br>21132               | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 11 - Abrasive Blasting Unit</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: Each abrasive blasting unit is vented through a baghouse and is therefore not expected to have any visible emissions. The units are inspected annually by SMAQMD staff and have been found to be in compliance this regulation.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: These abrasive blasting units are vented through baghouses. Therefore, particulate matter emissions should be well below 0.1 grains/dscf.

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                       | Permit conditions that are <u>not</u> federally enforceable  |
|------------------------------|--|
| 6385<br>6386<br>8732<br>8733 | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation.   |
| 8532                         | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 11 - Abrasive Blasting Unit (continued)**

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 9963   | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.    |
| 20917  | Conditions No. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 12 - Dry Material Grinding System</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The RDX/HMX grinding system unit is vented through four baghouses (two primary and two secondary). Therefore, no visible emissions are expected from this process. The units are inspected annually by SMAQMD staff and have been found to be in compliance with this regulation.

The grinding station (Microatomizer, 2 DH Micropulverizer and Raymond Mill processes) is vented through baghouses, rotoclones and a water wash system. Therefore, no visible emissions are expected from this process. The units are inspected annually by SMAQMD staff and have been found to be in compliance with this regulation.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: The RDX/HMX grinding system is vented through four baghouses (two primary and two secondary). Therefore, particulate matter emissions should be well below 0.1 grains per dscf.

The grinding station (Microatomizer, 2 DH Micropulverizer and Raymond Mill processes) is vented through baghouses, rotoclones, and a water wash system. Therefore, particulate matter emissions should be well below 0.1 grains per dscf.

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 12 - Dry Material Grinding System (continued)**

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                             | Permit conditions that are <u>not</u> federally enforceable  |
|------------------------------------|--|
| 157<br>158<br>7608<br>1401<br>1402 | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation.   |
| 7104<br>17904                      | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 13 - Rocket Motor Dissection Process</b></p> |
|---|

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The rocket motor dissection process is inspected annually by SMAQMD staff and has been found to be in compliance with this regulation.

**SMAQMD Rule 403 – Fugitive Dust**

SIP Approved: 12-05-1984 (49 FR 47490)  
*11-29-1983 rule version is SIP approved*

Rule Description: This rule regulates operations which periodically may cause fugitive dust emissions into the atmosphere.

Compliance Status: the permittee has taken reasonable precautions to prevent fugitive dust from being airborne beyond the property line.

***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: Particulate emissions from the rocket motor dissection process are unconfined. Therefore, the rocket motor dissecting process shall be treated as a fugitive source and as such, not subject to this rule.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 13 - Rocket Motor Dissection Process (continued)</b> |
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**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable   |
|--------|---|
| 22029  | Condition Nos. 1, 2, 3 and 5 - These are administrative or emission requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |
| 22040  | Condition Nos. 1, 2, 3 and 4 - These are administrative or emission requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.



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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 14 - Particulate Collection System - Dry</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: These baghouses are air pollution control equipment and are not expected to have any visible emissions. The units are inspected annually by SMAQMD staff and have been found to be in compliance with this regulation.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: Particulate matter emissions from the baghouses are well below 0.1 grains per dscf.

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                           | Permit conditions that are <u>not</u> federally enforceable  |
|----------------------------------|--|
| 277<br>7455<br>7456<br>8588      | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.    |
| 15125<br>21653<br>21766<br>21973 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 14 - Particulate Collection System - Dry (continued)**

| PO No.                  | Permit conditions that are <u>not</u> federally enforceable   |
|-------------------------|---|
| 22170<br>22225<br>22438 | Condition Nos. 1, 2, 3 and 5 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |
| 22888                   | Condition Nos. 1, 2, 3 and 4 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

Compliance Status: The permittee's equipment complies with the SMAQMD Rule 201 permit conditions.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 15 - Particulate Collection System - Wet Scrubber</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: This scrubber is air pollution control equipment and is not expected to have any visible emissions. This unit is inspected annually by SMAQMD staff and has been found to be in compliance with this regulation.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: Particulate matter emissions from the scrubber are well below 0.1 grains per dscf.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable   |
|--------|---|
| 165    | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 16 - Aerospace Coating Operation (Subject to Aerospace NESHAP GG)**

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: All coating operations are performed inside a paint spray booth equipped with particulate controls (filters). Therefore, visible emissions from these units are negligible. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this regulation.

**SMAQMD Rule 404 - Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: These coating operations are performed inside paint spray booths equipped with particulate filters. Therefore, particulate matter emissions should be well below 0.1 grains per dscf.

**SMAQMD Rule 456 - Aerospace Assembly and Component Coating Operations**

SIP Approved: 11/09/98 (63 FR 60214)  
*09/05/96 rule version is SIP approved*

Rule Description: This rule regulates emissions of VOCs from the application and use of coatings to aerospace components.

Compliance Status: The permittee is in compliance with the requirements of this rule.

As allowed under the "Development of Applications and Permits for Outdated SIP Requirements" provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 456 (10-23-2008) will be enforced.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 16 - Coating Operation - Aerospace Coating Subject to Aerospace**  
**NESHAP GG (continued)**

**40 CFR 63 Subpart GG NESHAP for Aerospace Manufacturing and Rework Facilities**  
**(begin at 63.741)**

Promulgated: 09-01-1996 (60 FR 45956)

Rule Description: This NESHAP establishes national emission standards for HAPs from the manufacture or rework of commercial, civil or military aerospace vehicles or components.

Compliance Status: The permittee is in compliance with the applicable requirements of this regulation. This facility does not perform any coating with inorganic HAPs as described in 40 CFR 63.745(g) nor does it perform chemical milling maskant operations as per 40 CFR 63.747.

A. Applicable Requirements

63.744(a) - The permittee is subject to these requirements. The permittee conducts spray gun cleaning operations in enclosed gun cleaners.

63.745 - Primers and topcoats used by this facility meet the HAP and VOC limits specified in this regulation, which are the same as under SMAQMD Rule 456. The application methods are also the same as under SMAQMD Rule 456. The permittee does not use coatings containing inorganic HAPs.

63.746 - The permittee depaints less than six completed aerospace vehicles in a calendar year. Therefore, this facility is not subject to this section.

63.747 - The permittee does not conduct any chemical milling maskant application operations and is therefore not subject to this section.

63.748 - This facility is subject to these requirements. HAP-containing waste is handled in a manner that minimizes spills.

63.749 - The permittee is subject to these requirements. The permittee has met the compliance dates specified by this regulation.

63.750 - The permittee is subject to these requirements. Compliance with this regulation has been determined in accordance with the test methods and procedures specified under this section.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 16 - Coating Operation - Aerospace Coating Subject to Aerospace**  
**NESHAP GG (continued)**

63.751 - The permittee is subject to the monitoring requirements of Subsections (a) and (e). The remaining Subsections are not applicable for the reasons stated below:

Subsection (b) - This facility does not use incinerators or carbon absorbers in their coating operations.

Subsection (c) - This facility does not use coatings containing inorganic HAPs.

Subsection (d) - This facility does not conduct depainting operations as described in 63.746.

Subsection (f) - This section is not applicable to the type of monitoring required (visual inspection).

63.752 - The permittee is subject to the recordkeeping requirements of Subsections (a), (b) and (c). The remaining Subsections are not applicable for the reasons stated below:

Subsection (d) - This facility does not use coatings containing inorganic HAPs.

Subsection (e) - This facility does not conduct depainting operations as described in 63.746.

Subsection (f) - This facility does not conduct any chemical milling maskant application operations.

63.753 - The permittee is subject to the reporting requirements of Subsections (a), (b) and (c). The remaining Subsections are not applicable for the reasons stated below:

Subsection (d) - This facility does not conduct depainting operations as described in 63.746.

Subsection (e) - This facility does not conduct any chemical milling maskant application operations.

**B. Streamlining of Applicable Requirements**

Both the NESHAP GG and SMAQMD Rule 456 regulate disposal of solvent-laden materials. The NESHAP requirement is more comprehensive than SMAQMD Rule 456 thus Rule 456 Section 304.1 will be subsumed by the 40 CFR 63.744(a)(1).

Both the NESHAP and SMAQMD Rule 456 regulate storage of VOC-containing material. The SMAQMD Rule 456 requirement is more comprehensive than the NESHAP thus 40 CFR 63.744(a)(2) will be subsumed by Rule 456 Section 304.2.

For simplification purposes, the reporting period will be changed to coincide with the Title-V reporting periods. The reports will be due July 31 for the Jan-June period and January 31 for the Jul-Dec period.

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 16 - Coating Operation - Aerospace Coating Subject to Aerospace</b><br/><b>NESHAP GG (continued)</b></p> |
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**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.         | Permit conditions that are <u>not</u> federally enforceable  |
|----------------|--|
| 150<br>8444    | The first two conditions on the PO are not numbered - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |
| 17204<br>17205 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.                           |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 17 - Aerospace Cleaning and Surface Preparation Operation (Subject to Aerospace NESHAP GG)**

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The solvent cleaning and surface preparation activities are not expected to cause any visible emissions. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this rule.

**SMAQMD Rule 456 – Aerospace Assembly and Component Coating Operations**

SIP Approved: 11/09/98 (63 FR 60214)  
*09/05/96 rule version is SIP approved*

Rule Description: This rule regulates emissions of VOCs from cleaning solvents and surface preparation.

Compliance Status: The permittee is in compliance with the requirements of this rule.

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 456 (10-23-2008) will be enforced.

**40 CFR 63 Subpart GG NESHAP for Aerospace Manufacturing and Rework Facilities (begin at 63.741)**

Promulgated: 09-01-1996 (60 FR 45956)

Rule Description: This NESHAP establishes national emission standards for HAPs from the manufacture or rework of commercial, civil or military aerospace vehicles or components.

Compliance Status: The permittee is in compliance with the applicable requirements of this regulation.



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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 17 - Aerospace Cleaning and Surface Preparation Operation (Subject to Aerospace NESHAP GG) (continued)</b></p> |
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**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 17489  | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 18 - Aerospace Cleaning and Surface Preparation (Not Subject to Aerospace NESHAP GG)**

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The solvent cleaning and surface preparation activities are not expected to cause any visible emissions. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this rule.

**SMAQMD Rule 456 – Aerospace Assembly and Component Coating Operations**

SIP Approved: 11/09/98 (63 FR 60214)  
*09/05/96 rule version is SIP approved*

Rule Description: This rule regulates emissions of VOCs from cleaning solvents and surface preparation.

Compliance Status: The permittee is in compliance with the requirements of this rule.

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 456 (10-23-2008) will be enforced.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 63 Subpart GG NESHAP for Aerospace Manufacturing and Rework Facilities (begin at 63.741)**

Promulgated: 09-01-1996 (60 FR 45956)

Rule Description: This NESHAP establishes national emission standards for HAPs from the manufacture or rework of commercial, civil or military aerospace vehicles or components.

Compliance Status: 40 CFR 63.741(h) provides an exemption for activities associated with Space Vehicles as follows.

(h) Regulated activities associated with space vehicles designed to

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 18 - Aerospace Cleaning and Surface Preparation (Not Subject to**  
**Aerospace NESHAP GG) (continued)**

travel beyond the limit of the earth's atmosphere, including but not limited to satellites, space stations, and the Space Shuttle System (including orbiter, external tanks, and solid rocket boosters), are exempt from the requirements of this subpart, except for depainting operations found in §63.746.

Since this process only allows the solvent cleaning and surface preparation operation to be performed on Space Vehicles as defined in 40 CFR 63.742 (see Condition No. 4) the requirements of 40 CFR 63 Subpart GG are not applicable.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 20419  | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 19 - Aerospace Coating Operation (Not Subject to Aerospace NESHAP GG)**

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: All coating operations are performed inside a paint spray booth equipped with particulate controls (filters). Therefore, visible emissions from these units are negligible. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this rule.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: All coating operations are performed inside a paint spray booth equipped with particulate controls (filters). Therefore, particulate matter emissions should be well below 0.1 grains per dscf.

**SMAQMD Rule 456 – Aerospace Assembly and Component Coating Operations**

SIP Approved: 11/09/98 (63 FR 60214)  
*09/05/96 rule version is SIP approved*

Rule Description: This rule regulates emissions of VOCs from the application and use of coatings to aerospace components.

Compliance Status: The permittee is in compliance with the requirements of this rule.

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of Rule 456 (07-23-1998) will be enforced.

For PO 21140 the spray nozzle sprays the interior of the missile chamber as the chamber moves from several inches from the open end

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 19 - Aerospace Coating Operation (Not Subject to Aerospace**  
**NESHAP GG) (continued)**

to the closed end and back. Since the coating is only applied to the interior of the missile chamber, the transfer efficiency is expected to exceed 65%. Since this method of application is not one of the approved methods of operation listed in SMAQMD Rule 456 Sections 303.1-303.8, this method of application must be approved in writing by both the SMAQMD APCO and the U.S. Environmental Protection Agency pursuant to Section 303.9. U.S. EPA approval of this type of coating application method was given in a letter, dated October 13, 2004, from Andrew Steckel, U.S. EPA Region 9, to Dave Grose, SMAQMD Stationary Source Division Manager.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 63 Subpart GG NESHAP for Aerospace Manufacturing and Rework Facilities (begin at 63.741)**

Promulgated: 09-01-1996 (60 FR 45956)

Rule Description: This NESHAP establishes national emission standards for HAPs from the manufacture or rework of commercial, civil or military aerospace vehicles or components.

Compliance Status: 40 CFR 63.741(h) provides an exemption for activities associated with Space Vehicles as follows.

(h) Regulated activities associated with space vehicles designed to travel beyond the limit of the earth's atmosphere, including but not limited to satellites, space stations, and the Space Shuttle System (including orbiter, external tanks, and solid rocket boosters), are exempt from the requirements of this subpart, except for repainting operations found in §63.746.

Condition No. 7 on the Title V permit only allows:

1. the application of Specialty Coatings as defined in 40 CFR Part 63 Subpart GG Appendix A.
2. the application of coatings to Space Vehicles as defined in 40 CFR 63.742 (see Condition No. 4) the requirements of 40 CFR 63 Subpart GG are not applicable.

Therefore the requirements of 40 CFR 63 Subpart GG are not applicable.

**I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS**  
**Equipment Specific Requirements**  
**Section 19 - Aerospace Coating Operation (Not Subject to Aerospace**  
**NESHAP GG) (continued)**

**Permit Conditions on SMAQMD Rule 201 Permits to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.                      | Permit conditions that are <u>not</u> federally enforceable   |
|-----------------------------|---|
| 153<br>5811<br>7497<br>8217 | The first two unnumbered conditions are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.              |
| 20652                       | Condition Nos. 1, 2, 3 and 5 - These are administrative or emission requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |
| 21140                       | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable.                |

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 20 - Coating Operation - Metal and Wood</b></p> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: All coating operations are performed inside a paint spray booth equipped with particulate controls (filters). Therefore, visible emissions from this unit are well below 20% opacity. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this rule.

**SMAQMD Rule 404 – Particulate Matter**

SIP Approved: 07-01-1987 (52 FR 26148)  
*11-20-1984 rule version is SIP approved*

Rule Description: This rule regulates emissions of particulate matter by establishing emission concentration limits.

Compliance Status: The coating operations are performed inside a paint spray booth equipped with particulate controls (filters). Therefore, particulate matter emissions should be well below 0.1 grains per dscf.

**SMAQMD Rule 451 – Surface Coating of Miscellaneous Metal Parts and Products**

SIP Approved: 11-13-1998 (63 FR 63410)  
*12-05-1996 rule version is SIP approved*  
*10-28-2010 rule version is the current version*

Rule Description: This rule regulates emissions of VOCs from the application of coatings to metal products.

Compliance Status: Coating operations performed under PO 7801 are subject to this rule when metal parts are coated. The permittee will comply with all applicable sections of this rule.

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 451 (10-28-2010) will be enforced.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 20 - Coating Operation - Metal and Wood (continued)</b> |
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**SMAQMD Rule 463 – Wood Products Coatings**

SIP Approved: 04-09-2010 (75 FR 18068)  
09-25-2008 rule version is SIP approved

Rule Description: This rule regulates emissions of VOCs from the application and use of coatings to wood products.

Compliance Status: Coating operations performed under PO 7801 are subject to this rule when wood products are coated. The permittee will comply with all applicable sections of this rule.

***The following federal regulation is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**40 CFR 63 Subpart MMM NESHAP for Surface Coating of Miscellaneous Metal Parts and Products (begin at 63.3880)**

Promulgated: 01-02-2004 (69 FR 157)

Rule Description: This NESHAP establishes national emission standards for HAPs from the coating of miscellaneous metal parts and products.

Compliance Status: PO 7801 is not subject to this regulation because the amount of coatings used falls within the exemption level specified in 40 CFR 63.3881(b).

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permit to Operate limit coating and cleanup materials VOC content, limit coating application methods and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

|        |   |
|--------|---|
| PO No. | Permit conditions that are <u>not</u> federally enforceable   |
| 7801   | The first two unnumbered conditions are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |



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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 21 - RDX Drying Facility</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The RDX drying operations are vented through condensers. Therefore, visible emissions from these units are negligible. These units are observed in operation annually by SMAQMD staff and have been found to be in compliance with this rule.

**SMAQMD Rule 441 – Organic Solvents**

SIP Approved: 01-24-1985 (50 FR 3338)  
*11-29-1983 rule version is SIP approved*

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of organic solvents

Compliance Status: The VOCs emitted from the RDX drying facilities are not photochemically reactive and are dried at 140 deg F temperature. Therefore, the applicable limit pursuant to this rule is 2,970 pounds of organic materials per day. The facility complies with this limit by complying with its local permit to operate which limits VOC emissions to 150 lb/day.

Therefore, the requirements of this rule will be streamlined and subsumed under the local permits to operate.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.       | Permit conditions that are <u>not</u> federally enforceable  |
|--------------|--|
| 7779<br>7780 | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 22 - Degreaser, Non-vapor</b> |
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*The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:*

**SMAQMD Rule 454 – Degreasing Operations**

SIP Approved: 04-09-2010 (75 FR 18068)  
09-25-2008 rule version is SIP approved

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of VOC containing solvents in degreasers.

Compliance Status: SMAQMD Rule 454 Section 110.3 provides the following exemption -

Effective September 25, 2009, the provisions of this rule shall not apply to degreasers which use solvents that contain 25 grams per liter or less VOCs including water and exempt compounds, as determined by Sections 502.5 and 502.6.

Condition No. 2 of the Title V permit requires the use of degreasing solvents with a VOC content not exceeding 25 grams/liter. Therefore, operation of the degreaser meets the exemption requirements of Section 110.3 and is not subject to the requirements of this rule.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.       | Permit conditions that are <u>not</u> federally enforceable   |
|--------------|---|
| 6968<br>7075 | The two unnumbered conditions are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 23 - Bowl Cleaning Station</b></p> |
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***The following SMAQMD rule is not an applicable federal requirement but is discussed here to document the non-applicability determination for the record:***

**SMAQMD Rule 441 – Organic Solvents**

SIP Approved: 01-24-1985 (50 FR 3338)  
11-29-1983 rule version is SIP approved

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of organic solvents

Compliance Status: This operation is not subject to this rule because it is subject to Rule 456 Aerospace Assembly and Component Coating Operations. Section 102 of Rule 456 states that the requirements of Rule 441 shall not apply to operations subject to Rule 456.

**SMAQMD Rule 454 – Degreasing Operations**

SIP Approved: 04-09-2010 (75 FR 18068)  
09-25-2008 rule version is SIP approved

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of organic solvents

Compliance Status: SMAQMD Rule 454 Section 110.7 provides the following exemption -

The VOC content limits in Sections 302.2 and 302.3 do not apply to degreasing of tools, equipment and machinery, regulated under Rule 456, AEROSPACE ASSEMBLY AND COMPONENT COATING OPERATIONS, and aerospace products using solvents that comply with the surface preparation and cleanup VOC limits in Section 304.7 of Rule 456, AEROSPACE ASSEMBLY AND COMPONENT COATING OPERATIONS.

The bowl cleaning operation is not exempt from the other requirements of this rule such as record keeping. This rule requires monthly records of solvents used. Since the NESHAP 40 CFR 63 Subpart GG requires annual usage records, the permit will require both monthly and annual records.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 23 - Bowl Cleaning Station (continued)</b> |
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**SMAQMD Rule 456 – Aerospace Assembly and Component Coating Operations**

SIP Approved: 11/09/98 (63 FR 60214)  
09/05/96 rule version is SIP approved

Rule Description: This rule regulates emissions of VOCs from cleaning solvents and surface preparation associated with aerospace coating operations.

Compliance Status: The permittee is in compliance with the requirements of this rule.

This operation is subject to this rule because it is a “cleaning” of “tooling” operation as defined by Sections 209 and 255 of this rule, respectively. The permittee is in compliance with all applicable requirements of this rule.

**40 CFR 63 Subpart GG NESHAP for Aerospace Manufacturing and Rework Facilities (begin at 63.741)**

Promulgated: 09-01-1996 (60 FR 45956)

Rule Description: This NESHAP establishes national emission standards for HAPs from the manufacture or rework of commercial, civil or military aerospace vehicles or components.

Compliance Status: The permittee is in compliance with the material cleaning, handling and waste disposal requirements of the regulation.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No.     | Permit conditions that are <u>not</u> federally enforceable  |
|------------|--|
| 154<br>155 | Condition Nos. 1 and 2 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. |

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| <p><b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br/><b>Equipment Specific Requirements</b><br/><b>Section 24 - Gasoline Storage and Dispensing Facility</b></p> |
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**SMAQMD Rule 448 – Gasoline Transfer Into Stationary Storage Containers**

SIP Approved: 01-23-1996 (61 FR 1716)  
02-02-1995 rule version is SIP approved  
02-26-2009 is the current rule version

Rule Description: This rule limits emissions resulting from the transfer of gasoline into any stationary storage container or delivery vessel, or from the pump-out of gasoline from any stationary storage container, delivery vessel, or vehicle fuel tank.

Compliance Status: The gasoline dispensing facility is in compliance with all the applicable requirements of this rule

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 448 (02-26-2009) will be enforced.

**SMAQMD Rule 449 – Transfer of Gasoline into Vehicle Fuel Tanks**

SIP Approved: 03-24-2003 (68 FR 14156)  
09-26-2002 rule version is SIP approved  
02-26-2009 is the current rule version

Rule Description: This rule limits the emissions of gasoline vapors into the atmosphere when motor vehicle fuel tanks are filled.

Compliance Status: The gasoline dispensing facility is in compliance with all the applicable requirements of this rule.

As allowed under the “Development of Applications and Permits for Outdated SIP Requirements” provisions of White Paper Number 2 (Lydia Wegman, U.S. EPA, 04-05-1996), the requirements of the most recent version of SMAQMD Rule 448 (02-26-2009) will be enforced.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions and require recordkeeping and reporting.

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 24 - Gasoline Storage and Dispensing Facility (continued)</b> |
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The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 17375  | Condition Nos. 1, 2 and 3 - These are administrative requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 25 - Pilot Plant Chemical Manufacturing Process</b> |
|---|

**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The visible emissions from this process are negligible. This process has been observed in operation annually by SMAQMD staff and has been found to be in compliance with this rule.

**SMAQMD Rule 441 – Organic Solvents**

SIP Approved: 01-24-1985 (50 FR 3338)  
*11-29-1983 rule version is SIP approved*

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of organic solvents

Compliance Status: The chemical manufacturing process has a VOC emission limit of 38 pounds per quarter, which is well below the emission limits established in this rule.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 20492  | Condition Nos. 1, 2, 3 and 7 - These are administrative and emission requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |

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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Section 26 - Soluble Mandrel Manufacturing Process</b> |
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**SMAQMD Rule 401 - Ringelmann Chart**

SIP Approved: 02-01-1984 (49 FR 3987)  
*04-19-1983 rule version is SIP approved*

Rule Description: This rule limits the discharge of air contaminants into the atmosphere through visible emissions and opacity limitations.

Compliance Status: The visible emissions from this process are negligible. This process has been observed in operation annually by SMAQMD staff and has been found to be in compliance with this rule.

**SMAQMD Rule 441 – Organic Solvents**

SIP Approved: 01-24-1985 (50 FR 3338)  
*11-29-1983 rule version is SIP approved*

Rule Description: This rule limits emissions of volatile organic compounds into the atmosphere that may result from the use of organic solvents

Compliance Status: The soluble mandrel manufacturing process has a VOC emission limit of 42 pounds per quarter, which is well below the emission limits established in this rule.

**Permit Conditions on SMAQMD Rule 201 Permit to Operate**

Rule Description: The conditions of operation on the SMAQMD Rule 201 Permits to Operate limit emission concentrations, limit mass emissions, and require recordkeeping and reporting.

The following table indicates the conditions on the SMAQMD Rule 201 permit that are not applicable federally enforceable requirements.

| PO No. | Permit conditions that are <u>not</u> federally enforceable  |
|--------|--|
| 21734  | Conditions No. 1, 2, 3 and 5 - These are administrative and emission requirements not contained in any SIP-approved rule or other federally-enforceable regulation. All other permit conditions are federally enforceable. |



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| <b>I. APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS</b><br><b>Equipment Specific Requirements</b><br><b>Permit condition consistency for California ATCM for Stationary IC Engines</b> |
|--|

**California Air Toxics Control Measure for Stationary Compression Ignition Engines (CCR, Title 17, Section 93115):**

The following SMAQMD Rule 201 Permits to Operate for diesel fueled IC engines include the requirements of this ATCM. This ATCM is not federally enforceable. However, the Title V permit will include these ATCM requirements also, thus making them federally enforceable. This will simplify compliance by bringing consistency between the operating conditions on the SMAQMD Rule 201 permit and the Title V permit.

| Equipment                | PO No. |       |       |       |
|--------------------------|--------|-------|-------|-------|
| IC Engine, diesel fueled | 10294  | 10434 | 10440 | 10445 |
|                          | 10408  | 10435 | 10441 | 10446 |
|                          | 10421  | 10436 | 10442 | 10779 |
|                          | 10422  | 10437 | 10443 | 14748 |
|                          | 10423  | 10438 | 10444 | 15335 |
|                          | 10426  | 10439 |       |       |

Compliance Status: The permittee is in compliance with these requirements.

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| <b>J. TITLE V PERMIT RECOMMENDATION</b> |
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It is recommended that the Aerojet - Sacramento Operations Title V Federal Operating permit be renewed.

See proposed Title V Federal Operating Permit No. TV2009-09-01 for permit conditions.

Approved by: *Jorge DeGuzman*

Date: *March 26, 2013*

**ATTACHMENT A**

SMAQMD RULES THAT ARE

"APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS"

FOR AEROJET - SACRAMENTO OPERATIONS

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title   | Is the Rule an "Applicable Federally Enforceable Requirement"?   |
|-----------------------|-------------------------|----------|--|--|
| ●                     | ●                       | 101      | General Provisions and Definitions<br>09-03-1998 version | <b>Yes</b> - no related conditions are included in the permit because of general nature of the rule.     |
| ●                     | ●                       | 102      | Circumvention<br>11-29-1983 version                      | <b>Yes</b> - no related conditions are included in the permit because of general nature of the rule.     |
|                       | ●                       | 103      | Exceptions<br>11-29-1983 version                         | <b>No</b> - source does not operate the type of equipment described in this rule.                        |
|                       | ●                       | 104      | General Conformity<br>11-03-1994 version                 | <b>No</b> - the rule's purpose is to have the SMAQMD review federal conformity findings.                 |
| ●                     | ●                       | 105      | Emission Statement<br>04-20-1993 version                 | <b>Yes</b> - related conditions are included in the permit.  |
|                       |                         | 107      | Alternative Compliance                                   | <b>No</b> - it is not a SIP approved rule.   |
| ●                     |                         | 108      | Minor Violations   | <b>No</b> - it is not a SIP approved rule.   |
| ●                     | ●                       | 201      | General Permit Requirements<br>11-20-1984 version        | <b>Yes</b> - no related conditions are included in the permit because of the general nature of the rule. |
| ●                     | ●                       | 202      | New Source Review<br>10-28-2010 version                  | <b>Yes</b> - related conditions are included in the permit.  |
|                       |                         | 203      | Prevention of Significant Deterioration                  | <b>No</b> - it is not a SIP approved rule.   |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title  | Is the Rule an "Applicable Federally Enforceable Requirement"?   |
|-----------------------|-------------------------|----------|---|--|
|                       |                         | 204      | Emission Reduction Credits                                  | <b>No</b> - it is not a SIP approved rule.   |
|                       |                         | 205      | Community Bank and Priority Reserve Bank                    | <b>No</b> - it is not a SIP approved rule.   |
|                       |                         | 206      | Mobile and Transportation Source Emission Reduction Credits | <b>No</b> - it is not a SIP approved rule.   |
| ●                     | *                       | 207      | Title V Federal Operating Permit Program                    | <b>Yes</b> - related conditions are included in the permit.<br>(*Although this is not a SIP approved rule it is applicable because it is part of the approved SMAQMD Title V Permit Program.)                          |
|                       |                         | 208      | Acid Rain   | <b>No</b> - it is not a SIP approved rule.   |
|                       |                         | 209      | Limiting Potential to Emit                                  | <b>No</b> - it is not a SIP approved rule.   |
|                       |                         | 210      | Synthetic Minor Source Status                               | <b>No</b> - it is not a SIP approved rule.   |
| ●                     |                         | 211      | MACT at Major Sources of Hazardous Air Pollutants           | <b>No</b> - it is not a SIP approved rule, but the requirements of this rule are also contained in the CAA. As per EPA guidance, the MACT requirements for boilers will become applicable after the rule is finalized. |
| ●                     |                         | 213      | Federal Major Modifications                                 | <b>No</b> - it is not a SIP approved rule but the requirements within it are part of EPA's NSR reform and thus federally applicable  |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title  | Is the Rule an "Applicable Federally Enforceable Requirement"?  |
|-----------------------|-------------------------|----------|---|---|
| ●                     | ●                       | 214      | Federal New Source Review   | <b>Yes</b> - related conditions are included in the permit.   |
|                       |                         | 215      | Agricultural Permit Requirements and New Agricultural Permit Review | <b>No</b> - it is not a SIP approved rule.  |
| ●                     | *                       | 301      | Stationary Source Permit Fees                                       | <b>Yes</b> - related conditions are included in the permit.<br>(*Although this is not a SIP approved rule it is applicable because it is part of the approved SMAQMD Title V Permit Program.) |
| ●                     |                         | 302      | Hearing Board Fees  | <b>No</b> - it is not a SIP approved rule.  |
|                       |                         | 303      | Agricultural Burning Permit Fees                                    | <b>No</b> - it is not a SIP approved rule.  |
| ●                     |                         | 304      | Plan Fees   | <b>No</b> - it is not a SIP approved rule.  |
| ●                     |                         | 305      | Environmental Document Preparation and Processing Fees              | <b>No</b> - it is not a SIP approved rule.  |
| ●                     |                         | 306      | Air Toxics Fees   | <b>No</b> - it is not a SIP approved rule.  |
| ●                     | ●                       | 307      | Clean Air Act Fees<br>09-26-2002 version                            | <b>Yes</b> - related conditions are included in the permit.   |
|                       |                         | 310      | Permit Fees - Agricultural Source                                   | <b>No</b> - it is not a SIP approved rule   |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title                                     | Is the Rule an "Applicable Federally Enforceable Requirement"?  |
|-----------------------|-------------------------|----------|--|---|
| ●                     | ●                       | 401      | Ringelmann Chart<br>04-05-1983 version         | <b>Yes</b> - related conditions are included in the permit.   |
| ●                     |                         | 402      | Nuisance                                       | <b>No</b> - it is not a SIP approved rule.  |
| ●                     | ●                       | 403      | Fugitive Dust<br>11-29-1983 version            | <b>Yes</b> - related conditions are included in the permit.   |
| ●                     | ●                       | 404      | Particulate Matter<br>11-20-1984 version       | <b>Yes</b> - related conditions are included in the permit.<br>(see discussion of streamlining applicable requirements and permit shield) |
| ●                     | ●                       | 405      | Dust and Condensed Fumes<br>11-29-1983 version | <b>No</b> - the source does not operate such a process.   |
| ●                     | ●                       | 406      | Specific Contaminants<br>11-29-1983 version    | <b>Yes</b> - related conditions are included in the permit.<br>(see discussion of streamlining applicable requirements and permit shield) |
| ●                     | ●                       | 407      | Open Burning<br>11-29-1983 version             | <b>Yes</b> - no related conditions are included in the permit<br>because the source does not conduct open burning.                        |
|                       | ●                       | 408      | Incinerator Burning<br>11-29-1983 version      | <b>No</b> - the source does not operate an incinerator.   |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title   | Is the Rule an "Applicable Federally Enforceable Requirement"?  |
|-----------------------|-------------------------|----------|--|---|
|                       | ●                       | 409      | Orchard Heaters<br>11-29-1983 version  | <b>No</b> - the source does not operate orchard heaters.  |
|                       | ●                       | 410      | Reduction of Animal Matter<br>11-29-1983 version                               | <b>No</b> - the source does not operate equipment for the reduction of animal matter.   |
| ●                     | ●                       | 411      | Boiler NOx<br>08-23-2007 version   | <b>Yes</b> - related conditions are included in the permit.   |
| ●                     | ●                       | 412      | Stationary IC Engines at Major Stationary Sources of NOx<br>06-01-1995 version | <b>Yes</b> - related conditions are included in the permit.   |
|                       | ●                       | 413      | Stationary Gas Turbines<br>03-24-2005 version                                  | <b>No</b> - This source does not operate turbines.  |
| ●                     | ●                       | 414      | Natural Gas Fired Water Heaters<br>08-01-1996 version                          | <b>Yes</b> - The permit does not contain any related conditions because the rule targets the sale of water heaters, not the operation of water heaters. |
|                       |                         | 417      | Wood Burning Appliances  | <b>No</b> - it is not a SIP approved rule.  |
| ●                     | ●                       | 420      | Sulfur Content of Fuels<br>11-29-1983 version                                  | <b>Yes</b> - related conditions are included in the permit.<br>(see discussion of streamlining applicable requirements and permit shield)               |



| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title  | Is the Rule an "Applicable Federally Enforceable Requirement"?   |
|-----------------------|-------------------------|----------|---|--|
| ●                     | ●                       | 441      | Organic Solvents<br>11-29-1983 version  | <b>Yes</b> - no related conditions are included in the permit because of limited applicability.        |
| ●                     | ●                       | 442      | Architectural Coatings<br>09-05-1996 version  | <b>Yes</b> - related conditions are included in the permit.  |
|                       | ●                       | 443      | Leaks from Synthetic Organic Chemical and Polymer Manufacturing<br>09-05-1996 version | <b>No</b> - the source does not operate synthetic organic chemical or polymer manufacturing equipment. |
|                       | ●                       | 444      | Petroleum Solvent Dry Cleaning<br>08-13-1981 version                                  | <b>No</b> - the source does not operate petroleum solvent dry cleaning equipment.                      |
|                       | ●                       | 446      | Storage of Petroleum Products<br>11-16-1993 version                                   | <b>No</b> - the source does not store affected petroleum products.                                     |
|                       | ●                       | 447      | Organic Liquid Loading<br>04-02-1998 version  | <b>No</b> - the source does not operate organic liquid loading equipment.                              |
| ●                     | ●                       | 448      | Gasoline Transfer into Stationary Storage Containers<br>02-02-1995 version            | <b>Yes</b> - related conditions are included in the permit.  |
| ●                     | ●                       | 449      | Transfer of Gasoline into Vehicle Fuel Tanks<br>09-26-2002 version                    | <b>Yes</b> - related conditions are included in the permit.  |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title   | Is the Rule an "Applicable Federally Enforceable Requirement"?                                       |
|-----------------------|-------------------------|----------|--|--|
|                       | ●                       | 450      | Graphic Arts Operations<br>12-05-1996 version                                      | <b>No</b> - the source does not operate a graphic arts process as defined in the rule.               |
| ●                     | ●                       | 451      | Surface Coating of Miscellaneous Metal Parts<br>and Products<br>11-29-1983 version | <b>Yes</b> - related conditions are included in the permit.  |
|                       | ●                       | 452      | Can Coating<br>09-05-1996 version  | <b>No</b> - the source does not operate a can coating process.                                       |
|                       | ●                       | 453      | Cutback and Emulsified Asphalt Paving<br>Materials<br>11-29-1983 version           | <b>No</b> - the source does not manufacture or apply cutback or emulsified asphalt paving materials. |
| ●                     | ●                       | 454      | Degreasing Operations<br>04-03-1997 version  | <b>Yes</b> - related conditions are included in the permit.  |
|                       | ●                       | 455      | Pharmaceuticals Manufacturing<br>11-29-1983 version                                | <b>No</b> - the source does not manufacture pharmaceuticals.   |
| ●                     | ●                       | 456      | Aerospace Coating Operations<br>10-23-2008 version                                 | <b>Yes</b> - related conditions are included in the permit.  |
|                       |                         | 457      | Methanol Compatible Tanks  | <b>No</b> - it is not a SIP approved rule.   |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title  | Is the Rule an "Applicable Federally Enforceable Requirement"? |
|-----------------------|-------------------------|----------|---|--|
| ●                     |                         | 458      | Large Commercial Bread Bakeries<br>09-05-1996 version                                 | <b>No</b> - the source does not produce bread products.        |
| ●                     |                         | 459      | Automotive, Truck and Heavy Equipment<br>Refinishing Operations<br>10-02-1997 version | <b>No</b> - the source does not refinish vehicles.             |
| ●                     |                         | 460      | Adhesives and Sealants  | <b>No</b> - it is not a SIP approved rule.                     |
| ●                     |                         | 463      | Wood Products Coatings  | <b>No</b> - it is not a SIP approved rule.                     |
| ●                     |                         | 464      | Organic Chemical Manufacturing Operations<br>07-23-1998 version                       | <b>No</b> - the source does not manufacture organic chemicals. |
|                       |                         | 465      | Polyester Resin Operations  | <b>No</b> - it is not a SIP approved rule.                     |
| ●                     | ●                       | 466      | Solvent Cleaning<br>05-23-2002 version  | <b>Yes</b> - related conditions are included in the permit.    |
|                       |                         | 485      | Municipal Landfill Gas  | <b>No</b> - it is not a SIP approved rule.                     |
|                       |                         | 496      | Large Confined Animal Facilities  | <b>No</b> - it is not a SIP approved rule.                     |
| ●                     |                         | 501      | Agricultural Burning<br>11-29-1983 version  | <b>No</b> - the source does not conduct agricultural burning.  |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title                                   | Is the Rule an "Applicable Federally Enforceable Requirement"?  |
|-----------------------|-------------------------|----------|--|---|
| ●                     |                         | 601      | Procedure before the Hearing Board           | <b>No</b> - it is not a SIP approved rule.  |
| ●                     |                         | 602      | Breakdown Conditions: Emergency Variance     | <b>No</b> - it is not a SIP approved rule.  |
| ●                     | ●                       | 701      | Emergency Episode Plan<br>05-27-1999 version | <b>Yes</b> - but actual facility emissions are below the applicability levels in the rule.  |
| ●                     |                         | 801      | New Source Performance Standards             | <b>No</b> - it is not a SIP approved rule.<br><i>Note: there are equivalent federal regulations.</i>                              |
| ●                     |                         | 901      | General Requirements                         | <b>No</b> - it is not a SIP approved rule.<br><i>Note: there are equivalent federal regulations.</i>                              |
| ●                     |                         | 902      | Asbestos                                     | <b>No</b> - it is not a SIP approved rule.<br><i>Note: there is an equivalent federal regulation.</i>                             |
| ●                     |                         | 903      | Mercury                                      | <b>No</b> - it is not a SIP approved rule.<br><i>Note: there is an equivalent federal regulation.</i>                             |
| ●                     |                         | 904      | Airborne Toxic Control Measures              | <b>No</b> - it is not a SIP approved rule.<br><i>Note: there are equivalent federal regulations for some of the listed ATCMs.</i> |
|                       |                         | 1002     | Fleet Inventory                              | <b>No</b> - it is not a SIP approved rule.  |

| Rule is<br>Applicable | Rule is SIP<br>Approved | Rule No. | Rule Title  | Is the Rule an "Applicable Federally Enforceable Requirement"? |
|-----------------------|-------------------------|----------|---|--|
|                       |                         | 1003     | Reduced-Emission Fleet Vehicles/Alternative Fuels | <b>No</b> - it is not a SIP approved rule.                     |
|                       |                         | 1005     | Mobile Source Emission Reduction Credits/Banking  | <b>No</b> - it is not a SIP approved rule.                     |
|                       |                         | 1006     | Transportation Conformity                         | <b>No</b> - it is not a SIP approved rule.                     |